



PUMPS | SAMPLING | PLASTIC LABWARE

# Catalogue 2020

## What's new?



OTAL disposable pumps  
Page 9



PowderProof  
Page 70



Vampire Sampler  
Page 103



Immersion cylinder  
Page 111



Dosing spoons  
Page 130, 136, 140 and 144



Forceps, disposable  
Page 131, 136 and 141



Drill head for carcass sampling  
Page 150



Ice borer  
Page 151



Pressure sprayer  
Page 174

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## Contents

2

### Pumps

Container pumps, barrel pumps, dosage pumps, withdrawal systems, barrel connectors, thread adapters, electric pumps, stopcocks, spigots, ball valves

58

### Samplers

Samplers for bulk goods, samplers for viscous substances, samplers for liquids, samplers for pharmaceutical products, disposable & sterile samplers, ice and meat sampling, soil sampling

158

### Containers

Bottles, spray bottles, wash bottles and dropping bottles, boxes, canisters, wide-mouth containers, storage containers, stacking containers, tubs, big containers, safety containers, packaging containers

202

### Industrial & laboratory equipment

Trays, bowls, buckets, draining racks, burettes, dispensers, funnels, graduated beakers, pipettes, pipette controllers, tubings, flow indicators, hose connectors, hose clamps, valves, rapid couplings, threaded fittings, protective equipment, accessories for laboratory equipment

## Table of contents pumps



9 – 16	Container pumps
17 – 32	Barrel pumps
17 – 19	Barrel pumps for acids and alkalis
20 – 26	Barrel pumps for flammable liquids
27 – 29	Accessories for pumps
28 – 29	Barrel connectors, thread adapters
33	Siphon
34 – 41	Electric pumps
40 – 41	Double-diaphragm pumps, magnetic centrifugal pumps, Airjet compressor
42 – 51	Stopcocks, spigots, ball valves, IBC discharge valves
52 – 57	Accessories for pumps





**Pumps**  
Pumps and stopcocks

## Fill off liquids – but do it safely

### Safety is the top priority

Dangerous liquids must never be filled off by directly pouring them out. Even the use of a funnel does not provide the required degree of safety when bottling dangerous liquids.

- ▶ Increased accident risk by slipping on dirty floors.
- ▶ Skin diseases or poisoning by spilt chemicals.
- ▶ Health hazard from harmful vapours.

Safety during bottling must be the number one priority – for your own personal protection!



This means that purchasing a suitable pump for filling off hazardous liquids is an investment in the safety and health of your employees which pays for itself in a very short time.

### Choosing the right pump

Apart from the size and type of the container, the required pump capacity and the suitability of the pump for the particular medium are important considerations for choosing the right pump. The pump does not only have to be resistant to the medium to be bottled, but specific occupational safety and environmental protection regulations must also be considered.

### Pump capacity

Electric pumps are the first choice for filling off large quantities at a fixed location. Their higher pumping capacity saves times and requires less manual effort. However, the purchase of an expensive electric barrel pump does not always pay for itself; there is often no on-site mains supply, e.g. in the open air, during assembly or in the equipment storage facility. Manual pumps are an interesting alternative to electric pumps for filling off small quantities due to their independence from a power supply and because they mean value for money.

Bürkle offers a wide range of pumping devices for manually removing liquids from containers, canisters, drums and tanks.

### Container size and container type

Pumps that work according to the excess pressure principle are suitable for filling off the required quantities from canisters and closed containers. Air is pumped into the container using a pumping ball or pumping piston. This creates excess pressure in the container and the liquid is transported out via the immersion tube.

Barrel pumps are suitable for larger barrels and open containers. They draw in the liquid and then eject it. This family of pumps is characterised by their robust construction with a good pumping capacity and simple handling. Different immersion tube lengths mean that the



pumps fit all the usual commercially available containers. Low-mounted suction valves ensure that almost all the residual liquid is removed.

### Container connections

In contrast to metal drums, which usually have an R2" fine thread, there are no standard connection threads for plastic drums. There are basically two different ways of attaching the pump to the drum or container. On the one hand, the pump can be screwed onto the

existing container thread using a barrel screw joint, possibly in combination with an adapter. On the other hand, universal solutions such as conical drum stoppers can be used.

### Materials

The most suitable pumps are robust industrial pumps made from top-quality materials such as polypropylene (PP) for acids and alkalis, or stainless steel AISI 304 (1.4301) for flammable liquids. We always recommend the use of PTFE seals. Always check that the material is resistant to the medium to be pumped.

In many cases, a check against the chemical resistance list will help.

### Caution with filling aids

Plastic siphons are a cost-effective alternative to mechanical pumps. Siphons are easy-to-use devices for safely filling off liquids from a higher container into a lower one. However, using them for aggressive or flammable liquids cannot be recommended. The pump bellows could be affected by acids and become brittle.





## Acids and alkalis

Acids, alkalis and detergents can be safely handled by plastic pumps made of PP or PVDF. Bürkle offers many plastic pumps with both rigid discharge pipes and also with discharge tubing and shut-off valve for filling containers which are further away or higher up. When handling corrosive or aggressive liquids, the user must take appropriate precautions. Protective clothing such as gloves, goggles, aprons and face masks is essential.

## Flammable liquids

Filling off flammable liquids requires special precautionary measures. It is essential that filling devices for flammable liquids are made of conductive materials. It is essential that any electrostatic charges formed are eliminated completely and without forming sparks. Stainless steel barrel pumps meet these requirements when the electrostatic charges are eliminated by using the Anti-static set.

## Gas-tight bottling

With volatile media, such as acetone or ammonia, hazardous vapours are formed in the container. Their evaporation into the working environment and the risk to the user can be reduced by using a gas-tight barrel connector. With particularly toxic, noxious and readily volatile media, a closed filling system with a gas-shuttle pipe is essential. In this method, the gases displaced from the container are returned directly into the original container. The harmful gases remain in the system; the greatest possible degree of safety during filling off is guaranteed.

## Foodstuffs

If foodstuffs are to be filled off, then it must be ensured that the materials used are physiologically harmless. Materials such as stainless steel, polypropylene or PTFE, which also have a neutral taste and odour, can be recommended. Furthermore, the pump must be easy to clean.

## Any questions?

We will be happy to advise you. Talk to us - telephone +49 7635 82795-0, or send an email to [info@buerkle.de](mailto:info@buerkle.de).

# Overview pumps

Product	Page	Liquids	Pastes	Gases	Acids and caustic solutions	Acids and caustic solutions, weak	Mineral oils, Diesel etc.	Petrochemicals	Pharmaceuticals/cosmetics	Solvents, not flammable	Solvents, flammable	Flammable liquids	Foodstuffs	Water	Dosing pumps	Gaslight decanting	Bottles up to 2 liters	Canisters up to 20 liters	Laboratory barrels 10/25 liters	Containers up to 60 liters	Barrels up to 220 liters	Open containers/tanks	Conveying capacity l/min	Conveying capacity ml/stroke
OTAL® disposable pumps	9	x				x			x	x			x	x			x	x	x	x			14	
OTAL® hand pumps	10	x			x	x		x	x	x			x	x			x	x	x	x			4-26	
OTAL® foot pumps	12	x			x	x		x	x	x			x	x			x	x	x				5-30	
Pump-it® container pump	14	x				x		x						x				x	x	x			8	
PumpMaster container pumps	15	x			x	x	x	x	x					x				x	x	x			8	
Dosi-Pump	16	x				x			x				x	x	x		x	x	x					4-250
PTFE barrel pumps Ultrapure	17	x			x	x		x	x					x				x	x	x	x	x		180-400
PP barrel pumps	18	x			x	x			x				x	x				x	x	x	x	x	12	200-300
Stainless Steel Barrel Pump	20	x					x	x	x		x	x	x	x		x		x	x	x	x		9-22	220-560
Solvent pump foot operated	22	x					x	x	x		x	x	x	x		x			x	x	x		20	
Solvent pump hand operated	23	x					x	x	x		x	x	x	x			x	x	x				10	
Withdrawal system for solvents	24	x					x	x	x		x	x	x	x		x			x	x	x		10	
Mini solvent pump	26	x					x	x	x		x	x	x	x		x	x						1,8	
Anti-static set	27										x	x												
Gas-tight barrel pump PP	30	x			x	x								x		x		x	x	x				200
Gas-tight stainless steel	30	x					x	x			x	x		x		x		x	x	x	x			350-560
Lever pump aluminium	31	x				x	x	x						x				x	x	x	x	x	25	
Piston pump PP	31	x				x								x						x	x			500
Compact lever pump	31	x				x	x	x						x						x	x			500
Lever pump	32	x				x	x	x						x				x	x	x	x	x		350
Siphon with stopcock	33	x				x		x					x	x				x	x	x	x	x	9	
AccuOne / EnergyOne barrel pump	34	x			x	x			x					x				x	x	x	x	x	0,4-12	
Laboratory pump mains operated	36	x			x	x			x					x						x	x	x		75
Electric barrel pump Petro	37	x					x	x				x									x	x		40
Drum pump for acids and alkalis	38	x				x			x					x							x	x		85
Drum pump for concentrated acids/alkalis	38	x			x	x			x					x							x	x		80
Drum pump for mineral oils	39	x					x	x				x		x							x	x		85
Drum pump for solvents	39	x					x	x	x		x	x		x							x	x		95
Oil-free double-diaphragm pump	40	x			x	x		x						x										16
Magnetic centrifugal pumps	41	x			x	x								x										1-24
AirJet Mini membrane vacuum	41	x		x																				5,5-6
Spigots for barrels	42	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x		
Barrel valve	50	x																			x			

Attention! Make sure to pay attention to the "List of Chemical Resistance"! Errors and omissions excepted.

## OTAL® liquid transfer pumps | filling off liquids quickly, safely and cleanly

The OTAL® pump program has been on the market for 65 years. The pumps are popular and appreciated thanks to their easy handling in daily use.

Thanks to the simple stopper system, OTAL® pumps can be used for all common containers. The OTAL® Mini allows even very small containers to be filled.

Only the tube comes into contact with the liquid when OTAL® pumps are used, so that a great deal of liquid can be filled off using the tube materials PE, PP, PVDF and stainless steel AISI 304 (1.4301). The different tube diameters make individual adjustments to required transfer volumes possible.

The OTAL® foot pump has another great advantage, particularly when filling aggressive media. It is designed so that both hands are free during the pumping process.

- Optionally available as a foot or hand pump
- Universal bungs for container openings of 30 – 70 mm diameter
- Tubes made of PE, PP, PVDF or stainless steel AISI 304 (1.4301) for different liquids



### The bung has to fit!

Filling with the proven OTAL® pumps is particularly easy as the liquid is forced out of the container by the excess air pressure. The liquid flow is steady, without pulsating. However, it is important that the connection between the pump and the container is airtight. This is ensured by the universal bung made of soft PVC.

The universal bung consists of 3 parts, a conical centre (1) and 2 conical sleeves (2 and 3) which can be moved up and down the conical centre. This means that it is possible to obtain an airtight seal between OTAL® pumps and container openings with a diameter of 30 to 70 mm.



Instructions for use and safety information must be complied with. Protective clothing must be worn. See pages 53 - 57.



# OTAL® disposable pumps



## Use

1. Push the delivery tube into the universal plug and attach the pump ball
2. Shorten the delivery tube, cutting it off at a slight angle
3. Build up pressure with the pump ball and transfer the liquid
4. To replace the delivery tube, cut off the tube directly below the plug
5. Dispose of the lower end of the tube directly. Pull the upper end out of the universal plug
6. Insert a new tube



OTAL pump with disposable delivery tube made of PE, for single use. In OTAL pumps the medium being transferred comes in contact only with the delivery tube. The disposable delivery tube can be replaced quickly and easily after use. There is a danger with reusable pumps that the liquid being transferred will be contaminated by the pump, especially if the pump is used for different media or containers and it is not properly cleaned before the change. A space-saving container pump is specially designed for single use, thereby completely eliminating time-consuming and cost-intensive cleaning as well as contamination.

The delivery tube of the liquid transfer pump is made of a single piece and can easily be shortened to the respective container height using the cutter included with delivery. This offers maximum flexibility and guarantees good emptying of small remaining amounts from the container. The discharge of the delivery tube can also be shortened if necessary. The disposable pump is ideal when special purity is important or if cleaning is difficult or not possible at all.

- Disposable delivery tube made of PE, can be reordered in pack of 10
- Disposable delivery tubes, can be cut to length individually
- With universal plug made of soft PVC, for container volumes Ø 30-70 mm
- Scope of delivery: Pump ball, universal plug, cutter and 10 disposable delivery tubes

## 1 OTAL® disposable hand pump



Pump capacity approx. l/min	Tube Ø mm	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.
14	12	90	67.50	10	59.70	5005-8012 N4

## 2 OTAL® disposable foot pump



Pump capacity approx. l/min	Tube Ø mm	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.
14	12	90	83.30	10	78.80	5000-8012 N4

## Accessories

Description	Price €	Item no.
Delivery tubes PE for OTAL® disposable pumps, 10 pieces	28.90	5000-8000 N4

## OTAL® hand pumps | to fit most commercial storage drums

The telescopic immersion tube adapts itself to the container height on insertion. This ensures good removal of residual liquid and means that the hand pump can be used with different containers.

- ▶ Particularly compact, space-saving hand pump
- ▶ Good pump capacity
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm Ø

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!





## OTAL® hand pumps | to fit most commercial storage drums



### ① OTAL® hand pump made of PP

OTAL® hand pumps with PP delivery tubes, resistant to weak acids, alkalis and detergents.

### ② OTAL® hand pump made of PVDF

OTAL® hand pump with PVDF delivery tubes, particularly suitable for acids and alkalis, not for heavily oxidising acids and alkalis. With its special material properties, PVDF has an even better chemical resistance than PP. Resistant to chlorine bleach.

### ③ OTAL® hand pump made of stainless steel

OTAL® hand pump with delivery tubes made of stainless steel AISI 304 (1.4301) for liquids that are not easily combustible in Hazard Category AIII (VbF). The OTAL® PP or PVDF hand pump should be used for caustic media.

### ④ OTAL® hand pump with hose and stopcock

OTAL® hand pump with hose and tap with discharge hose with a length of 1.5 m made of PVC and PP/PE stopcock, delivery tube made of PP. The discharge hose is particularly suited to fill distant containers.

### ⑤ OTAL® mini pump made of PP

OTAL® PP mini pump with delivery tubes made of PP and universal bungs made of soft PVC.

- For small containers, ideal for containers up to 10 litres
- With universal bungs for container openings of 20–36 mm Ø

### ⑥ OTAL® battery-pump

OTAL® pump for safe filling of car batteries with acid or distilled water.

- With hose shutoff valve
- With dosing tip for precise filling

OTAL® hand pump							
	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €
①	14	12	PP	70	67.50	10	59.70
①	20	15	PP	70	70.80	10	65.30
①	26	18	PP	70	72.00	10	64.80
②	20	16	PVDF	70	121.50	10	111.30


OTAL® hand pump							
	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €
③	26	18	AISI 304	90	121.50	10	111.30
④	12	12	PP/PVC	70	70.80	10	63.00
⑤	4	10	PP	45	49.35	10	44.55
⑥	5	12	PP/PVC	70	77.60	10	69.80

## OTAL® foot pumps | high performance, sturdy, for industrial use



The telescopic immersion tube adapts itself to the container height on insertion of the foot pump. This ensures good removal of residual liquid and means that the foot pump can be used with different containers.

- ▶ Simple handling: Both hands remain free for filling
- ▶ Very good pump capacity due to large volume foot bellows
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm Ø

 Attention! Make sure to pay attention to the "List of Chemical Resistance"!

# OTAL® foot pumps | high performance, sturdy, for industrial use



## ① OTAL® foot pump made of PP

OTAL® foot pumps with delivery tubes made of PP, resistant to weak acids, alkalis and detergents.

## ② OTAL® foot pump made of PVDF

OTAL® foot pump with delivery tubes made of PVDF, particularly for acids and alkalis, not for heavily oxidising acids and alkalis. Resistant to chlorine bleach. With its special material properties, PVDF has an even better chemical resistance than PP.

## ③ OTAL® foot pump made of stainless steel

OTAL® foot pump made of stainless steel AISI 304 (1.4301), with delivery tubes made of stainless steel for liquids that are not easily combustible in Hazard Category AIII (VbF).

## ④ OTAL® foot pump with hose and stopcock

OTAL® foot pump with hose and tap with delivery tubes made of PP and a 1.5 m discharge hose made of PVC with stopcock made of PP/PE Ø 10 mm.



## ⑤ OTAL® battery-pump

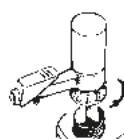
OTAL® pump for safe filling of car batteries with acid or distilled water.

## ① OTAL® foot pump made of PP

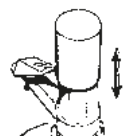
Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
20	15	PP	70	83.30	10	78.80	5000-1500	N4
26	18	PP	70	85.60	10	77.60	5000-1800	N4
30	22	PP	90	94.50	10	83.30	5000-2200	N4

	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
②	20	16	PVDF	70	130.55	10	120.35	5000-4016	N4
③	26	18	AISI 304	90	130.55	10	120.35	5000-5018	N4
④	12	12	PP/PVC	70	85.60	10	77.60	5000-3012	N4
⑤	5	12	PP/PVC	70	94.50	10	83.30	5000-6000	N4

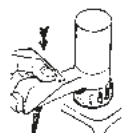
## Pump-it® container pump



Screw Pump-it®  
onto container



Pump air into  
container



Draw off liquid  
with Pump-it®

Pump-it® canister pumps are designed for quickly and cleanly emptying canisters and small barrels up to 60 l. The hand pump is used to create excess pressure that forces the liquid out of the canister. Pump-it® is suitable for weak acids, alkalis and petrochemicals.

- ▶ Medium-contacting parts made of PP, PE and FKM
- ▶ Pump threads suitable for container threads 64 mm Ø (BSI)
- ▶ Exact dosing, no drips
- ▶ Container completely emptied, thanks to stepless length adjustment of immersion tube

**!** Not suitable for hydrochloric acid! Make sure to pay attention to the "List of Chemical Resistance"!

### Pump-it® container pump

Immersion depth cm	Pump capacity approx. l/min	Price €	Quantity scale from	Scale price €	Item no.	
100	8	113.00	10	101.75	5201-1000	N4

### Accessories

Description	Price €	Item no.	
Adapter set Pump-it® consisting of: 0600-3002, -3003, -3004, -1014, -1016	52.15	5201-0030	N4
Thread adapters PP outer/outer 2" coarse thread Mauser - 64 mm (BSI)	12.70	0600-3004	N4
Thread adapters PP outer/outer 2" coarse thread Tri-Sure - 64 mm (BSI)	12.70	0600-3002	N4
Thread adapters PP outer/outer 2" BSP - 64 mm (BSI)	12.70	0600-3003	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 60	18.40	0600-1014	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 51	21.10	0600-1016	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 61	21.10	0600-1013	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 71	21.10	0600-1001	N4

For more adapters, see page 29

## Adapter set Pump-it®



Thread adapter set for Pump-it® canister pump consisting of:

- ▶ Adapter outer/outer, 2" coarse Mauser - 64 mm (BSI), green
- ▶ Adapter outer/outer, 2" coarse TriSure - 64 mm (BSI), brown
- ▶ Adapter outer/outer, 2" BSP - 64 mm (BSI), blue
- ▶ Adapter outer/inner, 64 mm (BSI) - DIN 60, black
- ▶ Adapter outer/inner, 64 mm (BSI) - DIN 51, black

### Adapter set Pump-it®

Price €	Quantity scale from	Scale price €	Item no.
52.15	10	47.05	5201-0030

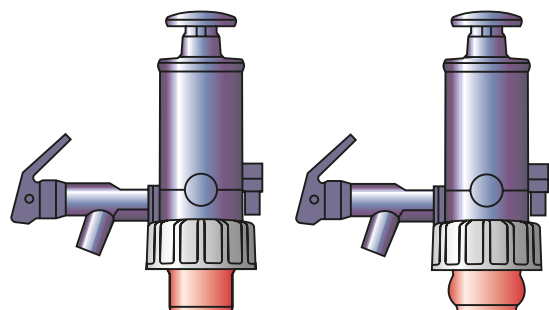
See page 29

## PumpMaster container pumps | flexible, for universal use

The manual pressure pump is ideally suited for drawing off, decanting and emptying canisters and barrels. The hand pump is used to create excess pressure that forces the liquid out of the container. The stopcock also allows extraction of small quantities of liquid. The PumpMaster container pump is mounted on the container using a flexible stopper with a variable and adjustable diameter. No special thread adapters are required. PumpMaster fits all commercial container openings with a diameter from 46.5 mm to 60 mm. The immersion tube has a length of 95 cm and it can be shortened depending on the size of the container.

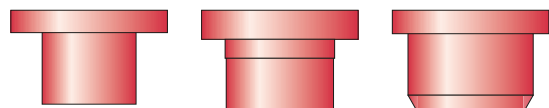
► Complete with three bungs in different sizes

**!** Not suitable for hydrochloric acid! Make sure to pay attention to the "List of Chemical Resistance"!



PumpMaster canister barrel pump stopper released

PumpMaster canister barrel pump stopper expanded



Various stoppers for PumpMaster

### PumpMaster container pump for petrochemical liquids



Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.
NBR	PP/PVC	blue grey	8	95	144.45	10	128.90	5202-3000 N4

#### Accessories

Description	Price €	Item no.
Discharge hose with shut-off valve for PumpMaster for petrochemical liquids	70.00	5202-3001 N4

### PumpMaster container pump for non-aggressive liquids



Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.
EPDM	PP/PVC	red	8	95	144.45	10	128.90	5202-2000 N4

#### Accessories

Description	Price €	Item no.
Discharge hose with shut-off valve for PumpMaster for aqueous liquids	71.55	5202-2001 N4

### PumpMaster for acids and chemical liquids



Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.
FKM	PP/PVC	green	8	95	202.05	10	191.95	5202-1000 N4

#### Accessories

Description	Price €	Item no.
Discharge hose with shut-off valve for PumpMaster for acids and chemical liquids	90.20	5202-1001 N4

## Dosing pumps Dosi-Pump



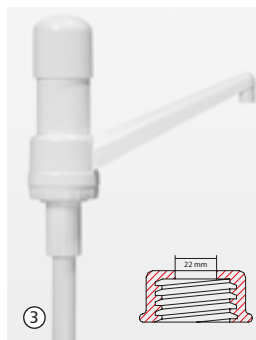
### Dosi-Pump 4 ml

Standard dosage approx.  
4 ml per stroke.



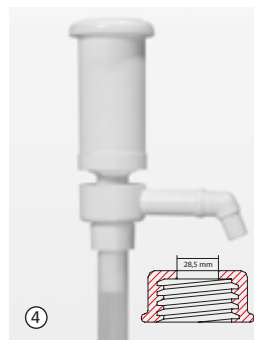
### Dosi-Pump 30 ml

Standard dosage approx.  
30 ml per stroke.



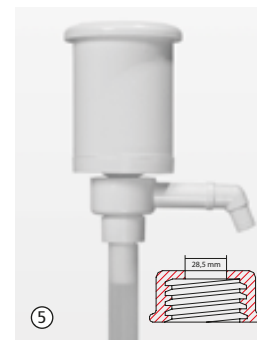
### Dosi-Pump 30 ml, fixed feeding tube

Standard dosage approx.  
30 ml per stroke, the  
pump has a fixed feeding  
tube.



### Dosi-Pump 100 ml, fixed feeding tube

Standard dosage approx.  
100 ml per stroke, the  
pump has a fixed feeding  
tube.



### Dosi-Pump 250 ml, fixed feeding tube

Standard dosage approx.  
250 ml per stroke, the  
pump has a fixed feeding  
tube.

Dosing pumps suitable for barrels, canisters, carboys or bottles, for dosing liquids of different viscosities. Dosing pumps are mounted by you in your existing container closure (see the locating bore table). To do this, a suitable hole is drilled in the cap. Then the pump is inserted through the hole and screwed in place from below.

A matching container connection is not included in the scope of delivery.

- Medium-contacting parts made of PP, PE and stainless steel

### Dosing pumps Dosi-Pump



	Stroke approx. ml	Drill- hole dia. mm	Immer- sion depth cm	Price €	Quan- tity scale from	Scale price €	Item no.
①	4	21	25	8.15	100	6.45	5607-1004 N3
②	30	28.5	38.5	13.00	100	10.40	5607-2030 N3
③	30	22	33.5	22.15	100	17.75	5607-3030 N3
④	100	28.5	29.5	70.05	100	56.10	5607-4100 N3
⑤	250	28.5	41.5	87.25	100	69.80	5607-5250 N3





## PTFE barrel pumps Ultrapur



Due to the high chemical resistance of the medium-contacting parts made of PTFE and FEP, even liquids which attack conventional materials such as PP or PVC can now be safely transferred (except for elemental fluorine) with this barrel pump. The barrel pump is also suitable for transferring ultra-pure liquids. The stopcock prevents hazardous vapours from escaping, and stops dripping after transfer.

Barrel pump with rigid discharge tube with stopcock made of PTFE.

Barrel pump with flexible discharge hose made of PTFE, length of 1.2 m and stopcock made of PVDF.

- ▶ Immersion tube Ø 32 mm
- ▶ All valves are made of solid PTFE/PVDF
- ▶ Top quality - 3 years' warranty
- ▶ Barrel screw joints for commercially available containers available as accessories

### PTFE barrel pump Ultrapur - discharge tube

Immersion depth cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
40	180	402.25	10	386.25	5606-0400	N4
60	270	402.25	10	386.25	5606-0600	N4
95	400	436.15	10	419.30	5606-1000	N4

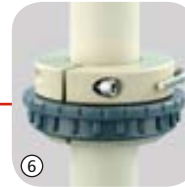
### PTFE barrel pump Ultrapur - discharge hose

Immersion depth cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
40	180	402.25	10	386.25	5606-0401	N4
60	270	402.25	10	386.25	5606-0601	N4
95	400	436.15	10	419.30	5606-1001	N4


### Accessories

Description	Price €	Item no.
PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180 N4

## PP barrel pumps | robust industrial quality



Barrel pumps made of polypropylene allow a fast transfer of liquids from barrels, canisters and tanks. The good chemical resistance of PP allows acids, alkalis and aggressive detergents to be transferred. The low-mounted non-return valve of the barrel pump and the immersion depth that can be steplessly adjusted using the barrel screw joints ensure good removal of residual liquid. The barrel screw joint fastens the barrel's pump securely to the barrel. Barrel screw joints and thread adapters for commercially available containers are available as optional accessories.

 Attention! Make sure to pay attention to the "List of Chemical Resistance"!



## PP barrel pumps | robust industrial quality



### PP barrel pump - discharge tube

PP barrel pump with rigid discharge tube.

### PP barrel pump - discharge hose/stopcock

PP barrel pump with flexible discharge hose made of PVC, length of 1.2 m and stopcock.

- ▶ Seals made of PTFE
- ▶ Immersion tube Ø 32 mm
- ▶ Capacity up to approx. 12 l/min
- ▶ For barrels and tanks of 30–1000 litres



### ① PP barrel pump - discharge tube



Immersion depth cm	Pump capacity ml per stroke	Total length cm	Price €	Quantity scale from	Scale price €	Item no.
50	200	60	129.00	5	118.60	5600-0501 N4
65	230	74	129.00	5	118.60	5600-0651 N4
80	260	90	133.55	5	122.15	5600-0801 N4
100	300	109	140.50	5	125.55	5600-1001 N4
125	300	134	169.65	5	158.70	5600-1251 N4
150	300	159	178.25	5	172.05	5600-1501 N4

### ② PP barrel pump - discharge hose/stopcock



Immersion depth cm	Pump capacity ml per stroke	Total length cm	Price €	Quantity scale from	Scale price €	Item no.
50	200	60	129.00	5	118.60	5600-0502 N4
65	230	74	129.00	5	118.60	5600-0652 N4
80	260	90	133.55	5	122.15	5600-0802 N4
100	300	109	140.50	5	125.55	5600-1002 N4
125	300	134	169.65	5	158.70	5600-1252 N4
150	300	159	178.25	5	172.05	5600-1502 N4

### Accessories

Description	Price €	Item no.
③ PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130 N4
④ PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170 N4
⑤ PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180 N4

### Accessories

Description	Price €	Item no.
⑥ Container screw joint	34.30	5600-3140 N4
⑦ PVC barrel plug, dia. 40–70 mm (not for EX zone)	21.35	5600-3150 N4
Discharge hose 1.2 m PVC with stopcock for PP barrel pump	26.35	5600-0100 N4
Drain safety stand (see page 52)	49.30	5618-1000 N4

## Stainless Steel Barrel Pump | for flammable liquids



The Bürkle barrel pump made of stainless steel AISI 304 (1.4301) is suitable for filling combustible and easily flammable liquids. The barrel pump can conduct electricity and therefore fulfills the requirements for handling flammable liquids in combination with the accessory antistatic set.

The PTFE gaskets ensure long-term and maintenance-free use. Pumping capacity approx. 9–22 l/min, dependent on pump length.

The wide range of accessories makes it possible to adapt the pump to very different requirements.

⚠ Not suitable for acetone!

⚠ When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!



# Stainless Steel Barrel Pump | for flammable liquids



## Stainless steel barrel pump - discharge tube

Barrel pump made of stainless steel with discharge tube.

- Removable discharge tube
- Immersion tube Ø 32 mm

## Stainless steel barrel pump - discharge hose/stopcock

Barrel pump stainless steel with discharge hose and stopcock made of stainless steel and PTFE, can conduct electricity.

- Immersion tube Ø 32 mm
- Removable hose, 1.2 m in length
- Ball valve made of stainless steel NW 8 mm
- Discharge nozzle Ø 12.8 mm

### 1 Stainless steel barrel pump - discharge tube



Immersion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.
36	48	220	215.40	5	193.25	5601-0400 N4
57	69	350	220.70	5	198.00	5601-0500 N4
91	103	560	230.35	5	209.25	5601-0800 N4

### 2 Stainless steel barrel pump - discharge hose/stopcock



Immersion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.
36	48	220	350.85	5	336.05	5601-0401 N4
57	69	350	359.35	5	344.25	5601-0501 N4
91	103	560	370.35	5	352.55	5601-0801 N4

### Accessories

Description	Price €	Item no.
③ Anti-static set	46.45	5602-1000 N4
④ Brass barrel screw joint R 2" steel fine outer thread	47.60	5601-0100 N4

### Accessories

Description	Price €	Item no.
⑤ Gastight barrel connector R 2" steel fine outer thread	130.70	5601-0130 N4
Discharge hose 1.2 m with stainless steel/PTFE stopcock	188.30	5601-0090 N4
Discharge tube for stainless steel barrel pump	67.35	5601-0080 N4
⑥ PVC barrel plug, dia. 40–70 mm (not for EX zone)	21.35	5600-3150 N4
Drain safety stand (see page 52)	49.30	5618-1000 N4
PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180 N4
Universal barrel spanner	33.05	5690-0090 N4
Casual style safety goggles	28.05	2502-2010 N3



# Solvent pump foot operated



Solvent pump foot operated for filling off high purity liquids such as solvents.

## Pouring flammable liquids

All medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. The Bürkle anti-static set can be used to ground the pump for dispensing flammable liquids so that no electrostatic charge forms.

## Protection against hazardous vapours

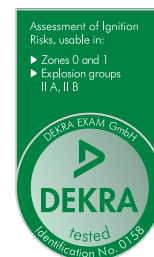
Due to the barrel screw joint and the stopcock, the container and the pump can be hermetically sealed. So that no dangerous vapours can escape after dispensing. This protects both health and the environment.

## Sturdy and practical design

The solid, durable industrial version of the solvent pump ensures a long service life. The pump works according to the overpressure principle. An excess pressure is built up in the tank with the foot actuator, forcing the liquid out of the container. Easy foot operation of the pump with foot actuator leaves both hands free for dispensing. The air hose can be quickly and easily connected and disconnected with the practical clip connection.

- ▶ Immersion tube can be steplessly adjusted to the barrel depth
- ▶ For barrels up to 220 litres
- ▶ Suitable for steel barrels with R 2" thread
- ▶ Thread adapter for commercially available containers and air filters for ultra-pure drawing-off available as accessory

When withdrawing flammable liquids, the barrel and pump have to be grounded!  
Use Anti-static set!



### Solvent pump foot operated - discharge hose/stopcock

Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
95	2"	20	603.50	5603-3000 N4



### Solvent pump foot operated - discharge tube

Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
95	2"	20	450.30	5603-1100 N4



### Accessories

Description	Price €	Item no.
Anti-static set	46.45	5602-1000 N4

### Accessories

Description	Price €	Item no.
Air filters for solvent pump, filter class M5, 10 pieces	28.85	0006-6009 N4

# Solvent pump hand operated



Hand-operated solvent pump for contaminationfree removal of organic solvents and flavouring agents. The hand pump works according to the overpressure principle. An excess pressure is built up in the tank with the pump ball, forcing the liquid out of the container.

## Pouring flammable liquids

All medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. The Bürkle anti-static set can be used to ground the pump for dispensing flammable liquids so that no electrostatic charge forms.

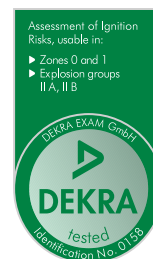
## Gastight version

The pump can be completely closed off with the two ball valves so that no dangerous vapours can escape after dispensing.

## Suitable for different containers

The hand pump is suitable for containers up to 60 litres. The solvent pump for tinfoil canisters has a connector thread for pull-out spouts.

- ▶ Medium-contacting parts made of stainless steel AISI 304 (1.4301) and PTFE
- ▶ Rigid discharge tube with stopcock made of stainless steel/PTFE
- ▶ Suitable for containers with R 2" thread
- ▶ Thread adapter for commercially available containers available as accessory



**!** When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!



Solvent pump for tin-foil canisters fits on pull-out spouts



Anti-static set

## Solvent pump hand operated

Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.	
60	2"	10	411.25	5603-1000	N4

## Solvent pump hand operated, for tin-foil canisters

Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.	
60	for pull-out spout with Ø 35 mm	10	443.55	5603-2000	N4

## Accessories

Description	Price €	Item no.
Anti-static set	46.45	5602-1000 N4



# Withdrawal system for solvents



The withdrawal system can be used to dispense high-purity liquids quickly and without complications. An excess pressure is produced in the container with pressurised gas (compressed air or nitrogen), thereby pumping the liquid out of the tank. The advantage of operation using pressure gas is that the user can extract even large amounts without effort while having both hands free to dispense the solvent.

In this way, large amounts of hazardous media such as acetone, ethanol and methanol, etc. can also be safely dispensed and accurately metered using the stop cock. For use with media sensitive to oxygen or for ultra-pure media, operation with an inert gas (e.g. nitrogen) is possible.

The barrel screw connection and shut-off valves seal off the barrel and pump hermetically. This means that no vapours containing solvents can escape after dispensing, thereby protecting users' health and the environment.

The transportable withdrawal system makes it possible to work flexibly. It consists of a barrel pump and attachable pressure regulating unit that adjusts the input pressure and offers additional protection against misuse.

A pressure gauge allows for a visual check of the input pressure.

The pump can easily be fastened onto the container with a barrel screw connection.

The compressed air or nitrogen connection (3-10 bar) can be provided via a mobile or stationary compressed air supply. The withdrawal system for solvents offers a secure and accurate way to dispense different solvents in laboratory and industrial applications.

**⚠ Caution!** When working with combustible liquids, the tank, pump and pressure regulating unit must be earthed! Use antistatic set in addition for pump!

## Withdrawal system for solvents



The withdrawal system for solvents with discharge tube has a barrel pump with fixed discharge tube. The steplessly adjustable immersion tube of the barrel pump can be adjusted to the respective tank. With barrel screw connection for steel barrels with R 2" thread. Can be adjusted for standard commercial tanks with thread adapters.

In the withdrawal system for solvents with discharge hose, the barrel pump has a flexible discharge hose. The hose makes it possible to dispense the relevant solvent into tanks that are located some distance away and meter it accurately. With barrel screw connection for steel barrels with R 2" thread. Can be adjusted for standard commercial tanks with thread adapters.



- ▶ Flexible connection options, operation with compressed air or inert gas (e.g. nitrogen)
- ▶ Parts in contact with medium made of stainless steel (1.4301) and PTFE
- ▶ Including transport stands, earthing cable for pressure regulating unit, connecting hose, key and adapter for compressed air supply
- ▶ Compressed air supply adapter (G 1/4"): 1x coupling connector NW 7.2 mm, 1x hose nozzle for internal Ø 6 mm, 1 x hose nozzle for internal Ø 8 mm
- ▶ For UN tanks and barrels (test pressure at least 150 kpa)
- ▶ The device complies with the requirements of the Pressure Equipment Directive 2014/68/EU

① Withdrawal system for solvents with discharge tube							
Immersion depth cm	Purpose	Pump capacity approx. l/min	Price €	Item no.			
60	for tanks up to approx. 60 l	10	1115.80	5603-5001	N4		
95	for barrels up to approx. 220 l	10	1217.70	5603-5003	N4		
② Withdrawal system for solvents with discharge hose							
Immersion depth cm	Purpose	Pump capacity approx. l/min	Price €	Item no.			
95	for barrels up to approx. 220 l	10	1299.25	5603-5004	N4		
Accessories							
Description			Price €	Item no.			
Anti-static set			46.45	5602-1000	N4		

## Mini solvent pump | reliable filling of small quantities

The Mini solvent pump is a high-quality hand pump for small containers such as bottles, canisters and tanks up to about 10 litres. For reliable filling and dosing of solvents and readily flammable liquids.

### Simple principle - highly effective

The hand pump works according to the excess pressure principle. In this way only the hose, pumping tube and discharge come in contact with the liquid being filled. To ensure safety, a pressure relief valve protects the solvent pump against excessive pressure build-up.

### High-quality materials

All parts of this hand pump in contact with medium are manufactured from PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404). The Mini solvent pump is therefore especially well suited for use with high-purity liquids and readily flammable media.

### Filling in hazardous zones

The grounding cable included with delivery can easily be connected to the solvent pump with a bunch plug, thus diverting electrostatic charges so that flammable media can be filled safely.

### Flexible applications

The hand pump has a GL 45 standard connecting thread. With the appropriate thread adapters (accessories), however, it can easily be adapted to containers with thread sizes S 40, GL 38 or GL 32.

### Precise removal of liquids

The self-closing discharge (with auto-stop function) of the Mini solvent pump ensures absolutely precise filling. A hose can optionally be fastened onto the discharge spout (internal Ø 6 mm).

### Well balanced

The Mini solvent pump is very well balanced, which makes it possible to fill without tipping, even from very small containers.

### Sturdiness for long service life

Thanks to its sturdy design and high-quality materials, the Mini solvent pump consistently ensures neat and reliable filling throughout its long service life, easily and conveniently.



- ▶ Ideal for 1–5 l containers
- ▶ Connecting thread GL 45
- ▶ Parts in contact with medium made of PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404)
- ▶ PTFE hose (6x8 mm) 0.4 m
- ▶ Including grounding cable 2 m
- ▶ Adapter available as accessory for S 40, GL 38 and GL 32

### Mini solvent pump

Pump capacity approx. l/min	Connector thread	Price €	Item no.	
1.8	GL 45	411.10	5603-4000	N4

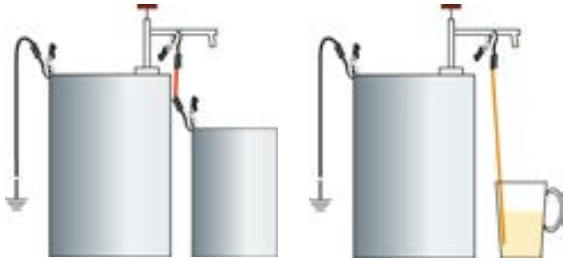
### Accessories

Description	Price €	Item no.
Thread adapter for Mini solvent pump, PTFE, GL 45 - S 40	30.25	0006-4000 N4
Thread adapter for Mini solvent pump, ETFE, GL 45 - GL 38	30.25	0006-4002 N4
Thread adapter for Mini solvent pump, ETFE, GL 45 - GL 32	30.25	0006-4003 N4
Hose cutter	8.45	0006-9506 N3
Glass sampling bottle 1000 ml, GL 45	13.65	5314-0100 N3
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m	44.10	8804-0608 N3



## Anti-static set | prevents electrostatic build-up

Conductive containers are connected with the red cable, the black cable makes the earth connection (water pipe, etc.)



Safety Plus: The bare copper wire ensures earthing when pouring into non-conductive containers



When decanting flammable liquids without the machines and containers involved in the process being sufficiently earthed, electrostatic build-up can occur, which for many substances can result in fire or an explosion.

Bürkle's Anti-static set ensures easy and reliable earthing.

The Anti-static set consists of three colour-coded connecting copper cables with clamps in a handy plastic case.

### Anti-static set

Price €  
46.45

Quantity scale from  
5

Scale price €  
41.85

Item no.  
5602-1000 N4



## Barrel screw joints



Barrel screw joint made of nickel-plated brass for barrel pump stainless steel. Prevents electro-static charge in combination with the Anti-static set. For the safe transfer of flammable and easily flammable liquids. For containers with R 2" steel fine thread inside.



The gas tight barrel screw joint prevents hazardous gases from escaping from the barrel. R 2" steel barrel thread, non-return valve with connection 1/8". Nickel-plated brass, seals made of FKM.



Barrel screw joint made of PP for secure connection in the barrel in three different thread models. For drawing off liquids that are not flammable.



Container screw joint to fasten the barrel pump in any location on the side of the container. Also for wide-necked screw caps. The screw joint 2" is screwed on from the inside using lock nut 2". (Mounting holes in the container 60 mm).



Barrel bungs made of PVC, consisting of two parts, therefore can be used for various openings with a diameter from 40–70 mm.

### Brass barrel screw joint



Thread	Price €	Quantity scale from	Scale price €	Item no.
R 2" steel fine outer thread	47.60	5	42.15	5601-0100 N4

### Gastight barrel connector



Thread	Price €	Quantity scale from	Scale price €	Item no.
R 2" steel fine outer thread	130.70	5	114.85	5601-0130 N4

### PP barrel screw joint



Thread	Price €	Quantity scale from	Scale price €	Item no.
R 2", steel fine outer thread	29.25	5	26.45	5600-3130 N4
Mauser 2", coarse outer thread	36.50	5	32.90	5600-3170 N4
Tri-Sure, coarse outer thread	39.95	5	35.95	5600-3180 N4

### Container screw joint



Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.
60	34.30	5	32.95	5600-3140 N4

### PVC barrel plug



Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.
40–70	21.35	5	18.95	5600-3150 N4

## Thread adapters PP



We offer a broad range of thread adapters. This facilitates the secure connection of many of our pumps and discharge cocks to a variety of containers.

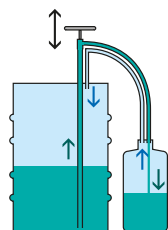
You will always find the correct connection thanks to the combination of different adapters.

Do you have any questions about choosing the right thread adapter? Please call us. We are glad to offer assistance.

Instructions for determining the thread can be found on page 268.

	External thread	Internal thread	Colour	Price €	Quantity scale from	Scale price €	Item no.	
①	Tri-Sure	2" BSP	orange	16.60	10	14.80	0600-1006	N4
②	Mauser	2" BSP	blue	16.60	10	14.80	0600-1010	N4
③	Tri-Sure	Mauser	red	16.60	10	14.80	0600-1011	N4
④	Mauser	Tri-Sure	purple	16.60	10	14.80	0600-1012	N4
⑤	US drum thread	2" BSP	silver	16.60	10	14.80	0600-1007	N4
⑥	61 mm	2" BSP	grey	16.60	10	14.80	0600-1008	N4
⑦	61 mm	3" coarse	natural	23.85	10	22.05	0600-1009	N4
⑧	64 mm (BSI)	DIN 60	black	18.40	10	16.85	0600-1014	N4
⑨	64 mm (BSI)	DIN 51	black	21.10	10	19.00	0600-1016	N4
⑩	64 mm (BSI)	DIN 61	yellow/blue	21.10	10	19.00	0600-1013	N4
⑪	64 mm (BSI)	DIN 71	brown/blue	21.10	10	19.00	0600-1001	N4
	Internal thread		Colour	Price €			Item no.	
⑫	35 mm - 2" BSP		black	31.10			0600-2004	N4
⑬	40 mm - 2" BSP		black	27.40			0600-2012	N4
⑭	51 mm - 2" BSP		green	19.95	10	18.30	0600-2005	N4
⑮	DIN 61 - 2" BSP		yellow	16.60	10	14.80	0600-2001	N4
⑯	63 mm - 2" BSP		white	19.95	10	18.30	0600-2006	N4
⑰	DIN 71 - 2" BSP		brown	16.60	10	14.80	0600-1003	N4
	External thread		Colour	Price €	Quantity scale from	Scale price €	Item no.	
⑱	61 mm - Tri-Sure		black/orange	9.55	10	8.00	0600-3006	N4
⑲	61 mm - 2" BSP		black	9.55	10	8.00	0600-3007	N4
⑳	2" coarse Mauser - 64 mm (BSI)		green	12.70	10	11.50	0600-3004	N4
㉑	2" coarse Tri-Sure - 64 mm (BSI)		brown	12.70	10	11.50	0600-3002	N4
㉒	2" BSP - 64 mm (BSI)		blue	12.70	10	11.50	0600-3003	N4
㉓	Adapter set, consisting of 1, 2, 15 and 17			54.30	5	50.30	0600-3010	N4

## Gas-tight barrel pump PP | odour-free liquid transfer



Liquid is pumped in the closed system (green). Vapours are directed back through the gas displacement line (blue)



- ▶ Medium-contacting parts PP, PE and PVC
- ▶ Steplessly extendable telescopic tube
- ▶ For barrel depths of 40–67 cm
- ▶ Two adapters for original containers

The gas-tight barrel pump enables odour-free transfer. During transfer with normal pumps, it is impossible to prevent vapours escaping into the atmosphere. The gas-shuttle method avoids this. Any vapours produced are returned from the container which is to be filled to the original container via the gas-shuttle pipe. The gas pipe and the liquid pipe are additionally provided with stopcocks. Gas-tight pumps are used for substances that have a strong smell such as ammonia.

## Gas-tight stainless steel pump



- Gas tight barrel pump with flexible discharge hose for filling off into large canisters and containers. Convenient transfer because the canister can stay on the floor. The connection cone is held onto the container.
- ▶ Parts in contact with media: Stainless steel AISI 304 (1.4301), PTFE, nickel-plated brass, PA that can conduct electricity
- ▶ Incl. gas-tight barrel screw joints with 2" fine thread
- ▶ For bottle openings from 16–49 mm
- ▶ Immersion tube Ø 32 mm
- ▶ The pump can be hermetically sealed with two ball valves

Pump has been developed in cooperation with Ludwig-Maximilians University, Munich.

Not suitable for acetone! When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!

Gas-tight stainless steel barrel pump - discharge hose/stopcock							
Immer- sion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quan- tity scale from	Scale price €	Item no.	
57	69	350	774.25	5	708.35	5611-1090	N4
91	103	560	799.75	5	732.65	5611-0090	N4

### Gas-tight barrel pump PP

Model	Pump capacity ml per stroke	Price €	Item no.	
① with universal adapter 34–70 mm Ø	200	214.55	5610-1030	N4
② with 2 screw joint adapters 3/4" with lock nuts	200	231.40	5610-1040	N4

## Lever pump aluminium



Lever pump for petrochemical substances made of stable aluminium cast, valves and pistons are made of plastic (PA).

- ▶ Suitable for barrel threads M 64x4 or R 2"
- ▶ With closure device (for padlock)
- ▶ Immersion tube length 84 cm
- ▶ Supplied with hose kit, hose length 1.5 m, electrically conductive, with outlet elbow and bend protection spring

### Lever pump aluminium

Pump capacity approx. l/ min	Pumping height water column m	Connector thread	Price €	Item no.	
25	1	M 64x4, R 2"	179.05	5627-1000	N2

### Accessories

Description	Price €	Item no.
Anti-static set	46.45	5602-1000 N4

## Piston pump PP



The piston pump is made of polypropylene and polyethylene, for watery and petrochemical products. It represents value-for-money. The piston pump is attached to the container which is to be filled using a 2" - or 3/4" barrel thread. After mounting, the pump can still be rotated around its axis so that containers to be filled can be placed on the barrel lid.

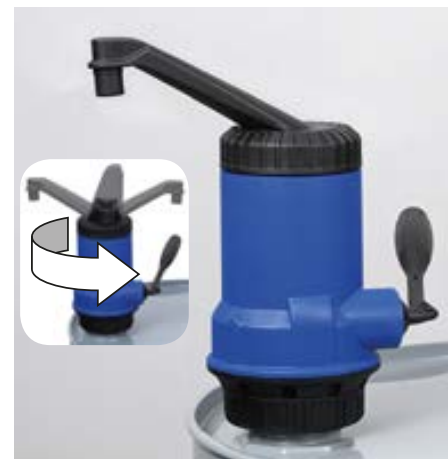
- ▶ Pump capacity adjustable from 100, 250, 350 and 500 ml per stroke
- ▶ For containers with G 2" and G 3/4" inner thread
- ▶ Immersion tube length 84 cm

Note the "List of Chemical Resistance"!

### Piston pump PP

Price €	Item no.	
24.20	5613-0030	N4

## Compact lever pump



Compact, self-priming polypropylene lever pump suitable for light acids and bases. The telescope tube for lever pump is steplessly extendable up to 100 cm, which means it can be used for barrels from 50 to 200 l.

- ▶ Polypropylene, seals made of NBR
- ▶ Pump capacity up to about 500 ml per stroke
- ▶ Discharge tube can be rotated 360°
- ▶ With integrated barrel screw connection for G2" thread

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Compact lever pump

Immersion depth cm	Price €	Item no.
100	55.30	5613-0020 N4

## Lever pump



The required quantities can be taken from barrels without great effort with this manual lever pump. Ideal for occasional use.

Applications of the lever pump: water, lubricants, light oils, water-based chemicals and light acids and caustic solutions.

- ▶ With integrated barrel screw connection for 1 1/4" and 2" fine thread
- ▶ Pump capacity 350 ml per stroke
- ▶ Immersion depth steplessly variable from 65–90 cm



### Lever pump with galvanised steel piston rod

The lever pump is made of polypropylene with a galvanised steel piston rod and FKM seals.



### Lever pump with stainless steel piston rod

The lever pump is made of polypropylene with a stainless steel piston rod made of AISI 304 (1.4301) and FKM seals.



Note the "List of Chemical Resistance"!

#### Lever pump with galvanised steel piston rod

Colour	Price €
blue	26.95



Item no.	
5613-0040	N4

#### Lever pump with stainless steel piston rod

Colour	Price €
yellow	39.15



Item no.	
5613-0041	N4



## Siphon with stopcock | for occasional drawing off of liquids



Device for easy operation to quickly fill off watery liquids from containers higher up to containers lower down.

Works according to the siphoning principle: Liquid needs only to be primed once, therefore especially handy for complete emptying of a container.

- ▶ LDPE/PVC
- ▶ Pump capacity 9 l/min
- ▶ With robust ball valve made of PP
- ▶ Good view of medium due to transparent hoses
- ▶ Bend protection for the hose with suspension eyelet
- ▶ Cost-effective filling unit if drawing-off does not need to take place regularly

Offered also as rigid immersion tube upon request.



### Siphon with stopcock

Material	Immersion depth cm	Hose inner dia. mm	Pump capacity approx. l/min	Price €	Quantity scale from	Scale price €	Item no.	
LDPE/PVC/PP	100	15	9	48.40	10	43.90	5605-1000	N4



## AccuOne / EnergyOne | Flexible – reliable – convenient – with the hybrid system

The new approach to flexibility - One pump with maximum possibilities.

Bürklee barrel pumps AccuOne and EnergyOne with the unique hybrid system ensure fast, flexible and convenient filling whenever and wherever you want. The pumps are equipped with two different power supply systems:

AccuOne, driven by a high-performance rechargeable battery or EnergyOne, with a power cable for direct connection to the electrical network.

### The innovative new feature: The power supply units are interchangeable!

The rechargeable battery or the power supply unit are fitted with a clip lock and are removable. They can be exchanged quickly and easily. Thus AccuOne can also be operated with the power supply cable unit and EnergyOne can be operated with the rechargeable battery. With a replacement rechargeable battery as an accessory, you never have to wait for charging.

The drive can also be disconnected quickly and easily from the pump station with a clip lock. This makes it possible to use one drive for filling at several stationary pump stations. AccuOne and EnergyOne are designed for applications in which even very small amounts of liquid can be added to small containers with narrow openings.

The touch panel features a foil keyboard sealed off against dust, dirt and water. The keyboard can be used to regulate the flow rate continuously and precisely from 0.4 l/min to 12 l/min. In addition to the drainage elbow, a flexible drainage hose with nozzle is optionally available.

The light and powerful pumps are made of high-quality materials, PP, PTFE and Hastelloy C, to ensure outstanding chemical resistance. This also makes them suitable for dispensing acids and bases. Please make note of detailed information related to chemical resistance!

 Attention! Make sure to pay attention to the "List of Chemical Resistance"!

 Do not use in EX area!

- ▶ Unique hybrid system – rechargeable battery and power supply unit are interchangeable
- ▶ Drive unit can be easily disconnected
- ▶ TouchPanel for precise dosing
- ▶ Excellent residual draining and pumping capacity
- ▶ One drive for several pump stations
- ▶ Outstanding chemical resistance



Battery can be easily disconnected



Power supply unit can be easily disconnected



Drive unit can be easily disconnected



Touch panel



Power supply unit incl. connector



Charger for battery





## AccuOne barrel pump



More accessories on page 36

The barrel pump driven by rechargeable battery, AccuOne, features a unique new hybrid system with complete flexibility and independence from the electrical network. A powerful light rechargeable battery with the latest next generation lithium-ion technology, without memory effect, with auto-stop function before deep discharge.

- ▶ Lithium-ion rechargeable battery – latest generation
- ▶ Up to 600 litres of delivery volume per battery charge, replacement back-up battery available
- ▶ Optionally available with rechargeable battery or power supply unit (available as accessory)
- ▶ Consisting of pump station, drive, rechargeable battery, charger and fixed discharge elbow

### AccuOne barrel pump driven by rechargeable battery



Immersion depth cm	Price €	Item no.	
50	466.90	5900-1050	N4
70	480.20	5900-1070	N4
100	493.60	5900-1100	N4

#### Accessories

Description	Price €	Item no.	
PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130	N4
PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170	N4
PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180	N4

## EnergyOne barrel pump



More accessories on page 36

The barrel pump driven by power supply unit, EnergyOne, features a unique new hybrid system with complete flexibility and independence from battery charging.

- ▶ Power supply via 230 V power supply unit, international plug adapter included with delivery
- ▶ Optionally available with power supply unit or rechargeable battery (available as accessory)
- ▶ Consisting of pump station, drive, power supply unit incl. connector and fixed discharge elbow

### EnergyOne barrel pump driven by power supply unit



Immersion depth cm	Price €	Item no.	
50	394.60	5900-2050	N4
70	408.05	5900-2070	N4
100	421.40	5900-2100	N4

#### Accessories

Description	Price €	Item no.	
PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130	N4
PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170	N4
PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180	N4

## AccuOne / EnergyOne | Accessories



### Accessories

Description	Price €	Item no.
① PP barrel screw joint, R 2", steel fine outer thread	29.25	5600-3130 N4
① PP barrel screw joint, Mauser 2", coarse outer thread	36.50	5600-3170 N4
① PP barrel screw joint, Tri-Sure, coarse outer thread	39.95	5600-3180 N4
② Container screw joint	34.30	5600-3140 N4
③ PVC barrel plug, dia. 40–70 mm (not for EX zone)	21.35	5600-3150 N4
④ Rechargeable battery without charger for Accu/EnergyOne	114.55	5900-3010 N4
⑤ Charger for battery Accu/EnergyOne	62.90	5900-3015 N4
⑥ Power supply unit incl. connectors for Accu/EnergyOne	129.10	5900-3020 N4
⑦ Drive without rechargeable battery/power supply unit	209.25	5900-3030 N4
⑧ Discharge tube	19.90	5900-3040 N4
⑨ Discharge hose 1.2 m, with nozzle (PVC, PP, AISI 304, FKM)	69.95	5900-3045 N4
⑩ Closing cap thread 3/4"	3.88	8535-0034 N3
⑪ Pump station Accu/EnergyOne, submersible length 50 cm	129.90	5900-3050 N4
⑪ Pump station Accu/EnergyOne, submersible length 70 cm	135.00	5900-3070 N4
⑪ Pump station Accu/EnergyOne, submersible length 100 cm	140.05	5900-3100 N4

## Laboratory pump mains operated



Light- and high-performance pump to transfer watery media up to 300 mPas from canisters, barrels and narrow-necked containers from 32 mm opening diameter.

- ▶ PP
- ▶ Splash-water protected motor 230 V/200 W (IP44)
- ▶ Built-in safety key as on/off switch
- ▶ Seal-less pump mechanism for acids and alkalis
- ▶ Thread connection 1" with hose connector 3/4"
- ▶ Incl. 1.5 m PVC hose 3/4", PP nozzle and wall bracket



Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Laboratory pump mains operated

Immersion depth cm	Pump capacity approx. l/min	Pumping height water column m	Tube Ø mm	Price €	Item no.
70	75	7	32	822.30	5700-2200 N2
100	75	7	32	886.90	5700-4400 N2

### Accessories

Description	Price €	Item no.
Flow meter PP 1" (see page 40)	618.95	5700-0111 N2

# Electric barrel pump Petro | for Diesel oil, class D/II fuel oil



Electric barrel pump for pumping diesel oil, Category EL fuel oil, undiluted radiator antifreeze and other liquids of Hazard Category AIII (VbF). Built-in siphon protection prevents leaks if the tube is faulty. Available for 230 V. Available with either standard filling nozzle or filling nozzle with automatic shut-off. Electronic volume readout with cumulative total and suitable for calibration (supplied uncalibrated), available as accessory.

- ▶ With manual suction pump
- ▶ VDE tested, motor with thermal protection switch
- ▶ Barrel thread M 64x4 and 2"
- ▶ Suction hose with filter 1.60 m length
- ▶ Pump hose made of Perbunan, 4 m length, with bend protection spring and pump nozzle

Not suitable for aqueous/diluted liquids!



## Electric barrel pump Petro

Model	Pump capacity approx. l/min	Price €	Item no.	
standard	40	338.60	5780-0040	N2
automatic	40	509.10	5780-0041	N2

## Accessories

Description	Price €	Item no.	
Volume readout Petro	354.50	5780-0020	N2

Volume readout Petro

## Drum pump for acids and alkalis



Barrel pump for weaker acids, such as hydrochloric acid, phosphoric acid, chromic acid, battery acid, citric acid, etc.

- ▶ Motor 230 V
- ▶ Pump tube PP, shaft Hastelloy C
- ▶ Thread connection 1 1/4" with hose connector 3/4"
- ▶ 2 m PVC fabric hose 3/4"
- ▶ PP pump nozzle
- ▶ PP barrel screw joint
- ▶ Pump height 19 mWS, pump capacity 85 l/min

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for acids and alkalis				
Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41	1429.80	5762-0100	N2
120	41	1445.90	5762-0101	N2
Accessories				
Description	Price €	Item no.		
Flow meter PP 1 1/4" (see page 40)	611.30	5700-0121	N2	

## Drum pump for concentrated acids/alkalis



Barrel pump for highly aggressive acids and alkalis, such as sulphuric acid, nitric acid, hydrofluoric acid, sodium hypochlorite etc.

- ▶ Motor 230 V
- ▶ PVDF pump tube
- ▶ Thread connection 1 1/4" with hose connector 3/4"
- ▶ 2 m special chemical hose 3/4"
- ▶ PVDF pump nozzle
- ▶ PP barrel screw joint
- ▶ Pump height 17 mWS, pump capacity 80 l/min

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for concentrated acids/alkalis				
Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41	2690.70	5762-0200	N2
120	41	2825.65	5762-0201	N2
Accessories				
Description	Price €	Item no.		
Flow meter PVDF 1 1/4" (see page 40)	871.70	5700-0141	N2	

## Drum pump for mineral oils



Barrel pump for light viscous mineral oil products, such as diesel, fuel oil, hydraulic fluid, machinery and motor oil, etc.

- ▶ Motor 230 V
- ▶ Pump tube made of aluminium
- ▶ Hose connection Alu 1"
- ▶ 2 m PVC fabric hose 1"
- ▶ Hose clips 1"
- ▶ Alu pump nozzle, PP barrel screw joint
- ▶ Medium-contacting parts made of aluminium and AISI 316 Ti (1.4571)
- ▶ Delivery pump height 19 mWS, Pump capacity 85 l/min

Attention! Make sure to pay attention to the "List of Chemical Resistance" !

### Drum pump for mineral oils

Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41	1556.95	5763-0100	N2



## Drum pump for solvents



Barrel pump for highly flammable hydrocarbons such as ethanol, benzene, butanol, isopropanol, kerosene, methanol, etc.

- ▶ Motor 230 V
- ▶ Pump tube made of stainless steel
- ▶ Voltage balancing cable
- ▶ Hose electrically-conductive
- ▶ 2 m solvent hose 3/4"
- ▶ Brass pump nozzle
- ▶ PP barrel screw joint
- ▶ Delivery pump height 14 mWS, pump capacity 95 l/min

Attention! Make sure to pay attention to the "List of Chemical Resistance" !

### Drum pump for solvents

Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41	3083.80	5763-0301	N2



## Flow meters



Compact electronic flow counter for electrical barrel and container pumps. For thin fluid media.

- ▶ Measuring according to the turbine wheel principle
- ▶ Counter can be calibrated depending on the medium
- ▶ Different versions for many different applications
- ▶ Automatic switch-on when flow is recognised
- ▶ Measuring accuracy  $\pm 1$  %, easy recalibration
- ▶ Long-life lithium battery
- ▶ For use up to max. 4 bar (20 °C)
- ▶ Range of viscosity 0,8–40 mPas
- ▶ Temperature -10 °C up to +50 °C

Flow meter								
Material	Model	Measuring range l/min	Connector thread	Price €	Item no.			
PP, Hastelloy C4, FKM	for fuel oil, diesel, hydrochloric acid, sod. hydroxide, etc.	5 – 90	G 1 1/4"	611.30	5700-0121	N2		
PP, Hastelloy C4, FKM	for fuel oil, diesel, hydrochloric acid, sod. hydroxide, etc.	5 – 90	G 1"	618.95	5700-0111	N2		
PVDF, Hastelloy C4, FKM	for highly aggressive liquids like chlorine bleaches, nitric acid, sulfuric acid, etc.	5 – 90	G 1 1/4"	871.70	5700-0141	N2		

## Oil-free double-diaphragm pump



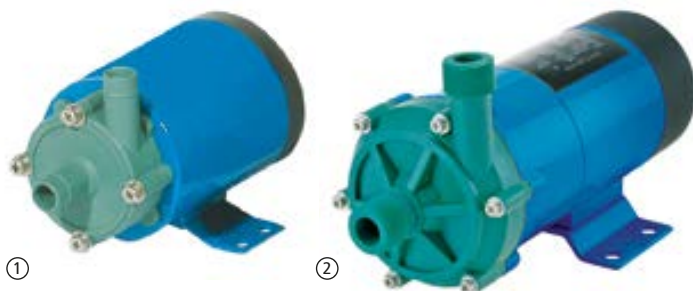
Pneumatic double-diaphragm pump to pump viscous, corrosive, abrasive and flammable liquids. Pump model 1/4". The pump is available in the materials polypropylene, PVDF and nylon. The membranes, balls and valve seats are available in Geolast, PTFE and Santoprene. Solids up to 1.6 mm Ø can be transported.

- ▶ Max. pump capacity 16 l/min
- ▶ Suction height dry 6 m
- ▶ Self-priming
- ▶ Operating compressed air min. 1.4 bar, max. 6.8 bar
- ▶ Max. temperature 66 °C
- ▶ Inlet side/outlet side 1/4" inner thread

Oil-free double-diaphragm pump						
Model	Material	Price €	Item no.			
for water-based liquids, lubricants, mineral oil	housing PP, diaphragm. Geolast	474.35	5765-0001	N2		
for corrosive liquids, inorganic acids and alkalis	housing PP, diaphragm. PTFE	690.30	5765-0002	N2		
for water-based liquids, sodium hydroxide solution	housing PP, diaphragm. Santoprene	509.20	5765-0003	N2		
for strong acids and alkalis, increased temperatures	housing PVDF, diaphragm. PTFE	831.10	5765-0004	N2		



## Magnetic centrifugal pumps



The magnetic centrifugal pumps are suitable for transferring acids, alkalis, alkaline and electroplating baths, photography chemicals as well radioactive, sterile and highly corrosive liquids. The drive, via contact-free magnetic force transfer, requires no dynamic shaft seals and this makes a hermetically sealed pump housing possible, which means that it cannot leak.

- ▶ Seal-less
- ▶ Surrounding temperature max. 45 °C
- ▶ Operating temperature max. 60 °C
- ▶ Viscosity max. 20 mPas

Magnetic centrifugal pump 15 Watts, motor 230 V, material PP (reinforced with fibre glass), stainless steel (shaft), Rulon (bearing), FKM (seal).

- ▶ Pump capacity 1 to 12 l/min, delivery height up to 2 m
- ▶ Without thread, hose nozzle 14 mm

Magnetic centrifugal pump 29 Watts, motor 230 V, material PP (fibre glass reinforced), stainless steel, Rulon (bearing), FKM (seal), ceramics (shaft).

- ▶ Pump capacity 1 to 24 l/min, delivery pump height up to 3 m
- ▶ Suction connection / pressure connection G 3/4" outer thread (BSP)

### Magnetic centrifugal pump

Model	Price €	Item no.	
① 15 Watt, no thread connection, with tubing nozzle	415.95	5766-0001	N2
② 29 Watt, with R 3/4" outer thread	449.60	5766-0002	N2



## AirJet Mini membrane vacuum pump



The AirJet Mini single-head membrane vacuum pump is suitable for a variety of applications in the laboratory and industry. The dry running membrane vacuum pump is able to pump, compact and evacuate 100 % oil-free, which means it does not distort results or add impurities, and can also be used as a compressor. The AirJet Mini is used to pump and evacuate air and neutral or slightly aggressive or corrosive gases and vapours.

- ▶ Weight 1.9 kg, dimensions LxWxH 164/90/141 mm
- ▶ Hose connection ID 4 mm
- ▶ Maintenance-free, environmentally friendly
- ▶ High level of gas tightness
- ▶ Very quiet with low vibrations



Attention! Make sure to pay attention to the "List of Chemical Resistance"!



### ① AirJet Mini membrane vacuum pump/compressor



Model	Pump capacity approx. l/min	Vacuum mbar	Pressure max. bar	Price €	Item no.
Membrane made of EPDM	6	100	2.4	424.60	5625-2000 N2
Membrane made of PTFE	5.5	160	2.5	512.90	5625-2001 N2

### ② Accessories

Description	Price €	Item no.
② AirJet Mini fine regulation head	92.60	5625-2002 N2
③ AirJet Mini sound absorber	15.70	5625-2003 N2

# StopCocks | completely water-tight, easily operated



The StopCock discharge cocks fits all containers with G 3/4" connection threads. Thread adapters facilitate connection of cocks to nearly all containers.

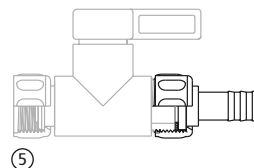
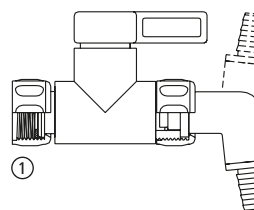
- ▶ Tight-closing for complete seal
- ▶ Especially effortless
- ▶ With connecting cap nut, guaranteed vertical position of the cock
- ▶ Pressure-resistant up to 2 bar at 20 °C (without discharge bracket and grommet)

- ▶ With discharge angle and rotatable spout preventing drips
- ▶ With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm.
- ▶ Media-contacting parts PP, PE and PTFE

⚠ Not suitable for crystallising substances!



Stopcock angled



Various designs of the stopcock. Connecting thread 3/4" with union nut or external thread

## StopCock angled



Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.
① 3/4" inner thread cap nut	spout/nozzle	20.30	10	18.15	0525-1000 N4

## StopCock straight-through



Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.
② 3/4" outer thread	3/4" outer thread	22.45	10	20.35	0525-3000 N4
③ 3/4" inner thread cap nut	3/4" outer thread	20.15	10	18.20	0525-5000 N4
④ 3/4" inner thread cap nut	3/4" inner thread cap nut	23.90	10	21.75	0525-7000 N4

## Accessories

Description	Price €	Item no.
⑤ Hose nozzle StopCock 4 mm	13.95	0525-1304 N4
Hose nozzle StopCock 6 mm	13.95	0525-1306 N4
Hose nozzle StopCock 8 mm	13.95	0525-1308 N4
Hose nozzle StopCock 10 mm	13.95	0525-1310 N4
Hose nozzle StopCock 12 mm	13.95	0525-1312 N4
Hose nozzle StopCock 16 mm	13.95	0525-1316 N4
Discharge angle	8.55	0525-1400 N4

## Compact spigot



The spigot Compact for canisters and barrels captivates everyone through its compact build, which makes the valve on the canister ideal for use in refrigerators and on racks, etc. The short discharge does not protrude out over the lower edge of the container, which makes the valve a perfect choice even when space is very limited.

The discharge's specially optimised design creates an even stream of liquid with no splashing or spattering. The spigot features easy motion and a tight seal. It is screwed on with a connecting cap nut. This guarantees a vertical position of the valve and makes it possible to adjust the valve later on.

The Compact spigot fits all containers with G 3/4" connecting threads.

PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and alkalis.

The Compact spigot is the ideal addition to the compact jerrycans – for perfect storage and filling when space is at a premium!

- ▶ Space-saving design
- ▶ Optimised discharge for even flow
- ▶ With connecting union nut for vertical position of the stop cock
- ▶ Tight-closing for complete seal



### Compact spigot

Thread, inflowing side	Price €	Quantity scale from	Scale price €	Item no.
3/4" inner thread cap nut	13.50	10	11.20	0530-1000 N4



## Compact jerrycan & StopCock set



The Compact jerrycan & StopCock set consists of the compact jerrycan with glands 5 l (0435-2050) or 10 l (0435-2100) and the spigot StopCock (0525-1000).

## Compact jerrycan & Compact stop cock set



The Compact stop cock is the ideal addition to the compact jerrycan – for perfect storage and filling when space is at a premium!

The space-saving set consists of the compact jerrycan with glands 5 l (0435-2050) or 10 l (0435-2100) and the spigot Compact (0530-1000).



### Compact jerrycan & StopCock set



Capacity l	Price €	Quantity scale from	Scale price €	Item no.
5	47.40	10	42.55	0435-0001 N4
10	53.50	10	49.20	0435-0010 N4

### Compact jerrycan & Compact stop cock set

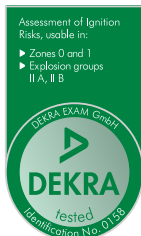


Capacity l	Price €	Quantity scale from	Scale price €	Item no.
5	39.25	10	34.35	0435-3000 N4
10	45.35	10	41.70	0435-3010 N4

## Compact jerrycan set, electroconductive      StopCock PA, electroconductive



The electrically conductive compact jerrycan set consists of a compact jerrycan with a capacity of 5 litres (0435-2055 ) or 10 litres (0435-2105) and a StopCock PA (0525-1100). The stopcock and canister can be earthed with an anti-static set and can therefore be used in explosion-proof areas.



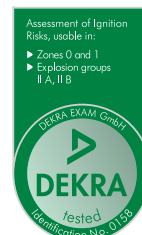
**⚠ Caution!** When working with combustible liquids, the canister must be earthed! Use anti-static set!

Compact jerrycan set, electroconductive						
Capacity l	Price €	Quantity scale from	Scale price €	Item no.		
5	64.25	10	59.10	0435-0005	N4	
10	77.65	10	71.45	0435-0015	N4	
Accessories						
Description	Price €			Item no.		
Anti-static set	46.45			5602-1000	N4	



Commercially available spigots made of the materials polyethylene or polypropylene cannot be used for solvents. The spigot StopCock PA is made of electrically conductive polyamide and therefore perfectly suitable for solvents. StopCock PA fits onto 3/4" outer threads and with the supplied adapter onto 3/4" inner threads and therefore onto nearly all commercially available canisters and barrels where the discharge thread is at the bottom.

- ▶ With discharge angle and rotatable spout preventing drips
- ▶ With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm
- ▶ Media-contacting parts PA conductive to electricity and PTFE
- ▶ Supplied with PA adapter conductive to electricity for 3/4" inner thread



**⚠ Note the "List of Chemical Resistance"!**

StopCock PA, electroconductive							
Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.		
3/4" inner thread cap nut	spout/nozzle	23.00	10	20.80	0525-1100	N4	
Accessories							
Description				Price €		Item no.	
Anti-static set				46.45		5602-1000	N4

## Ball valve PP



Ball valve PP fits all containers with G 3/4" connection thread. It can be attached to nearly all containers with thread adapters. Robust industrial quality, large flow.

- ▶ Suitable for crystallising media
- ▶ Max. 4 bar pressure at 20 °C
- ▶ With connecting cap nut, guaranteed vertical position of the valve
- ▶ Incl. discharge angle
- ▶ Hose nozzle 16 mm Ø
- ▶ Nominal width 11 mm Ø

### Ball valve PP

Price €	Quantity scale from	Scale price €	Item no.
56.40	5	51.70	0500-0100 N4

### Accessories

Description	Price €	Item no.
Sealing tape PTFE, width 12 mm, length 12 m	1.82	0006-4514 N3

## Ball valves PP for barrels



Ball valves for barrels made of PP for barrels with thread connections.

- ▶ Suitable for solidifying media
- ▶ Max. 4 bar pressure at 20 °C
- ▶ Individually adaptable, through various accessories

### Ball valves PP for barrels

Thread, inflowing side	Thread, outflowing side	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2" outer	1/2" inner	15	43.90	10	39.85	0500-0112 N4
3/4" outer	3/4" inner	20	50.70	10	45.70	0500-0134 N4
1" inner	1" inner	25	54.45	5	49.20	0500-8001 N3
1/2" inner	1/2" inner	15	39.25	5	35.15	0500-8002 N3
3/4" inner	3/4" inner	20	44.80	5	40.25	0500-8003 N3

### Accessories

Description	Price €	Item no.
Tube nozzles, fixed, straight 1/2" outer	1.23	8545-0012 N3
Tube nozzles, fixed, straight 3/4" outer	1.40	8545-0034 N3
Tube nozzles, fixed, straight 1" outer	1.72	8545-0100 N3
Tube bend, fixed, 1/2" outer	2.10	8547-0012 N3
Tube bend, fixed, 3/4" outer	2.15	8547-0034 N3
Tube bend, fixed, 1" outer	3.05	8547-0100 N3
Adapter for ball valve, Coarse thread Tri-Sure 2" outer, 3/4" inner	8.00	0600-0140 N3
Adapter for ball valve, Fine thread 2" outer, 3/4" inner	7.35	0600-0180 N3
Sealing tape PTFE, width 12 mm, length 12 m	1.82	0006-4514 N3



## Ball valve PP, food



Ball valve made of PP with outer / inner thread, fibre-glass reinforced, ball made of PP, handle with O-ring made of food-safe NBR and seal made of HDPE.

- ▶ Max. operating pressure 10 bar (at +20 °C)
- ▶ Max. operating temperature 100 °C
- ▶ Suitable for food

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.



### Ball valve PP, food

Thread, inflowing side	Thread, outflowing side	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2" inner	M29x1,75 outer	15	15.45	10	14.00	0500-8102	N3
3/4" inner	M36x3 outer	20	18.45	10	16.75	0500-8103	N3
1" inner	M42x3 outer	25	22.25	10	19.95	0500-8101	N3
1/2" outer	M29x1,75 outer	15	17.20	10	15.45	0500-8202	N3
3/4" outer	M36x3 outer	20	20.05	10	18.10	0500-8203	N3
1" outer	M42x3 outer	25	24.40	10	21.95	0500-8201	N3

### Accessories

Description	Price €	Item no.	
Container connection, white 1/2" outer	8.85	8533-0012	N3
Container connection, white 3/4" outer	10.35	8533-0034	N3
Container connection, white 1" outer	10.85	8533-0100	N3
Tube bend with cap nut, thread M29x1,75	3.67	8548-0020	N3
Tube bend with cap nut, thread M36x3	4.04	8548-0025	N3
Tube bend with cap nut, white, thread M42x3	5.30	8548-0030	N3
Sealing tape PTFE, width 12 mm, length 12 m	1.82	0006-4514	N3

## Spigot "Air"



No additional ventilation opening required, PE, transparent, 3/4" thread connection outside.

- ▶ Self-venting
- ▶ NW 13 mm
- ▶ Seal made of natural rubber

### Spigot "Air"

Price €	Quantity scale from	Scale price €	Item no.	
5.05	25	4.59	0533-0010	N3

## Stainless steel spigot



Very sturdy and robust spigot made of stainless steel AISI 304 (1.4301). The outlet of the spigot turns 360° so it can be adjusted to any required position. With a practical suspension device for filling container and eyelet for shutting off the spigot.

- ▶ Seals PTFE, FKM
- ▶ Self-closing
- ▶ Thread connection 3/4"
- ▶ Lockable
- ▶ NW 10 mm

### Stainless steel spigot

Price €	Item no.	
118.65	0535-0020	N4

## Spigot "Brass"



Barrel tap for petrochemical liquids, closed independently when not used (increased safety), thread connection 3/4" on the outside.

- ▶ Seals NBR
- ▶ Self-closing
- ▶ NW 10 mm

### Spigot "Brass"

Price €	Quantity scale from	Scale price €	Item no.
26.05	10	22.20	0535-0010 N4

# Thread adapter set LaboPlast® Thread adapters LaboPlast® 3/4"



Adapter set consisting of:

- ▶ Thread adapter 3/4" - Hünersdorff
- ▶ Thread adapter 3/4" - Kautex
- ▶ Thread adapter 3/4" - cylindrical R 3/4" barrel thread
- ▶ Thread adapter 3/4" - conical R 3/4" barrel thread
- ▶ Hexagonal key for thread adapter

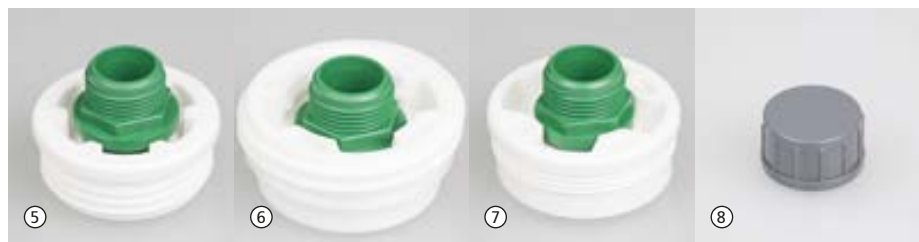


Thread adapter 3/4" - Hünersdorff

Thread adapter 3/4" - Kautex

Thread adapter 3/4" - cylindrical G 3/4" barrel thread

Thread adapter 3/4" - conical R 3/4" barrel thread



Thread adapter 3/4" - coarse thread, Tri-Sure 2"

Thread adapter 3/4" - coarse thread, Mauser 2"

Thread adapter 3/4" - fine thread 2"

Captive cap for 3/4"



StopCock spigots, ball valves and other accessories can be connected to most commercially available containers, with the LaboPlast® thread adapters. All adapters have a standard outer thread R 3/4".

Hexagonal key for thread adapter

## Thread adapter set LaboPlast®

Price €	Quantity scale from	Scale price €	Item no.
18.55	10	17.05	0600-0050 N4

	Thread, outflowing side	Thread, inflowing side	Colour	Material	Price €	Quantity scale from	Scale price €	Item no.
①	Hünersdorff	3/4"	red	PP	5.35	10	4.83	0600-0010 N4
②	Kautex	3/4"	blue	PP	5.35	10	4.83	0600-0020 N4
③	cylindrical G 3/4" thread connection	3/4"	black	PP	5.35	10	4.83	0600-0150 N4
④	conical R 3/4" thread connection	3/4"	green	PP	5.35	10	4.83	0600-0030 N4
⑤	coarse thread, Tri-Sure 2"	3/4"	green/white	PP/PE	12.80	10	11.70	0600-0094 N4
⑥	coarse thread, Mauser 2"	3/4"	green/white	PP/PE	12.80	10	11.70	0600-0120 N4
⑦	fine thread 2"	3/4"	green/white	PP/PE	12.80	10	11.70	0600-0190 N4
⑧	captive cap for 3/4"		grey	PVC	5.40	10	4.87	0600-0090 N4
⑨	hexagonal key for thread adapter		blue	PP	2.60	10	2.32	0600-0001 N4

## Spigot Jumbo, with tap



Spigot with tap for R 2" barrel thread, 50 mm flow, for viscous media such as lacquers, glue, shampoo.

- ▶ Cost-effective tap
- ▶ PE, brown
- ▶ Seal made of EPT

## Barrel valve



The barrel valve enables quick and clean emptying even with highly viscous liquids.

It is suitable for metal barrel with 2" BSP TriSure metal barrel screw joint.

The barrel valve enables opening the barrel closure as well as emptying and reclosing it even with lying, full barrels without having to move them.

- ▶ Glas fibre reinforced PP
- ▶ Seals NBR

### Spigot Jumbo, with tap

Price €	Quantity scale from	Scale price €	Item no.	
36.75	10	35.95	0534-0020	N4



### Barrel valve

Price €	Quantity scale from	Scale price €	Item no.	
96.55	10	95.75	0536-0010	N4



## IBC discharge valves

The IBC discharge valve is a sturdy, high-quality ball valve with a hose connection and connection adapter including seal, for standard thread S 60x6 external or 1" external, designed to fit all commonly used European IBC containers.

With the appropriate thread, the discharge valve can also be screwed directly onto the original discharge valve that is already on the IBC tank if the original valve is leaking or faulty. In this way the IBC discharge valve ensures fast and reliable residual emptying of the container with good dosing.

The discharge valve is an indispensable accessory to ensure a professional connection of the hose or for filling from your IBC container.

- ▶ 1" flow
- ▶ Suitable for connection threads S 60x6 external or 1" external
- ▶ Discharge valve and sealing cap PP fibreglass-reinforced, ball and adapter PP
- ▶ Max. operating pressure 10 bar (at +20 °C)
- ▶ Max. operating temperature 80 °C

① IBC discharge valve with 90° hose nozzle and sealing cap. The hose can also be closed with the enclosed sealing cap. Hose nozzle external PA Ø 30 mm, suitable for flexible hoses.

② IBC discharge valve with innovative hose screw connection The hose screw connection allows you to attach a wide range of hoses quickly, easily and reliably. No additional hose clamp is needed. Hose fitting PP/POM, external Ø 25 mm.



① IBC discharge valve with angle discharge			
Price €	Quantity scale from	Scale price €	Item no.
59.90	5	55.10	0534-0002 N3
② IBC discharge valve with hose screw connection			
Price €	Quantity scale from	Scale price €	Item no.
59.90	5	55.10	0534-0001 N3

## Drain safety stand



Residual liquid from pump tubes or samplers can be reliably collected with the drain safety stand. The safety stand is resistant to diluted bases and acids. The collecting container can be filled with a neutralisation medium which dilutes and neutralises residual liquid.

The stand pipe is mounted on the wall with sturdy pipe clamps. The pipe clamps can simply be opened to remove the safety stand.

The container for collecting liquid can be unscrewed, making it convenient to replace or empty.

### Drain safety stand

Total length cm	Inner dia. mm	Price €	Quantity scale from	Scale price €	Item no.
117	35	49.30	5	44.45	5618-1000 N4

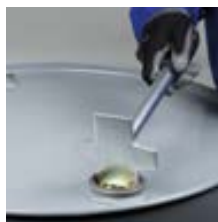
## General pump accessories



Threads can be ideally sealed with the sealing tape for threads made of PTFE. Low abrasion, excellent chemical resistance, temperature resistant from -80 °C to +260 °C.

### Sealing tape PTFE

Width mm	Length m	Price €	Quantity scale from	Scale price €	Item no.
12	12	1.82	10	1.66	0006-4514 N3



Universal barrel key for effortless opening even of tight barrel closures 3/4" to 2". An unbreakable tool made of zinc-plated steel.

### Universal barrel spanner

Price €	Quantity scale from	Scale price €	Item no.
33.05	10	29.60	5690-0090 N4



Hexagonal nut with inner thread.



Flat seals made of Polyethylene, transparent fitting outer or inner thread.

► PE

### Hexagonal nuts

Thread	Material	Price €	Quantity scale from	Scale price €	Item no.
1/2"	HDPE	2.20	10	2.03	8537-0012 N3
3/4"	HDPE	2.51	10	2.27	8537-0034 N3
1"	HDPE	2.73	10	2.52	8537-0100 N3
2"	PP	4.09	10	3.69	8537-0200 N3



### Flat seals, PE

Thread	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
1/2"	fits outer thread	10	2.62	10	2.36	8538-0012 N3
3/4"	fits outer thread	10	2.71	10	2.64	8538-0034 N3
1"	fits outer thread	10	5.35	10	4.90	8538-0100 N3
2"	fits outer thread	10	13.15	10	11.70	8538-0200 N3
1/2"	fits inner thread	10	2.56	10	2.30	8539-0012 N3
3/4"	fits inner thread	10	2.65	10	2.59	8539-0034 N3
1"	fits inner thread	10	5.25	10	4.85	8539-0100 N3





## Rubiflex protective gloves



With short or long gauntlet. Safe working with fats, mineral oils, solvents and many acids and alkalis.

- ▶ Made from nitrile rubber
- ▶ Very flexible, soft to the touch
- ▶ High abrasion and cut resistance
- ▶ Comfortable cotton interlock interior
- ▶ To standard EN 374

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Rubiflex protective gloves

Model	Length cm	Price €	Quantity scale from	Scale price €	Item no.	
① standard	37	26.10	10	23.85	2507-0002	N3
② long wrist	60	49.80	10	45.35	2507-0003	N3

## Protective gloves nitrile



Made of nitrile, proven when handling acids, fats and solvents.

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Protective gloves nitrile

Price €	Quantity scale from	Scale price €	Item no.	
7.25	10	6.55	2507-0004	N3

## Plastic apron, PVC



Plastic apron made of PVC with eyelets, neck band and waist band welded into the apron, industry quality, black, fabric reinforced, size 80 cm x 100 cm.

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Plastic apron made of PVC

Price €	Quantity scale from	Scale price €	Item no.	
29.50	10	26.90	2507-1001	N3

## SafetyBox



Panorama safety goggles and protective gloves made of nitrile for personal safety, stored cleanly in a box. Recommended by trade associations.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

SafetyBox			
Price €	Quantity scale from	Scale price €	Item no.
41.35	10	37.40	2507-9000 N3

## Eye rinsing bottle



Empty bottle for 600 ml contents, leakproof due to valve and dust protection cap. Instructions printed on, made of transparent PE.

Eye rinsing bottle			
Price €	Quantity scale from	Scale price €	Item no.
32.75	10	29.70	2507-2000 N3

Wall fixture			
Price €	Quantity scale from	Scale price €	Item no.
17.05	10	16.35	2507-2001 N3

# Eyes Fresh mini eyewash station



Mini eyewash station ideal for the lab, filling stations or all work places where aggressive substances are used. Eyes Fresh can be attached to any standard cold water tap.

For normal use of the tap, just press the button and the function changes back from the eye wash (re-returns automatically to eyewash-function when the tap is closed). Can be fitted onto taps with M22x1, 1/2" or 3/8" outer thread.

With sufficient water pressure provided, performance according to DIN EN 15154-2.

Eyes Fresh mini eyewash station				DIN	
Model	Price €	Quantity scale from	Scale price €	Item no.	
Press button for normal use	149.25	5	137.30	2515-0100	N4

## Eye protection / safety goggles



Ultra light build of only 18 grammes total weight. Maximum flexibility, perfect and slip-free fit.

### Safety goggles Ultralight

Colour	Price €	Quantity scale from	Scale price €	Item no.
blue	26.70	5	25.50	2502-1002 N3



Ultra-light protective goggles with sporty design, maximum wearing comfort, according to DIN/EN standard.

### Casual style safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.
blue/orange	28.05	5	26.60	2502-2010 N3



Over-goggles with hingeless side pieces and with soft side piece ends. Combines the advantages of goggles with side pieces with the wearing properties of headbands. The flexible side piece design allows it to adapt to different wearing situations, with or without glasses. DIN EN 166 - 168 and 170.

### Safety goggles Ultraflex

Colour	Price €	Quantity scale from	Scale price €	Item no.
blue	30.05	5	28.55	2502-1003 N3



With anatomically designed wrap-around screen for an increased degree of safety. Unrestricted view in all directions, larger cover by 20 % compared with normal glasses with side pieces, UV protection up to 400 nm.

### Safety goggles Style

Colour	Price €	Quantity scale from	Scale price €	Item no.
black	20.60	5	19.70	2502-1006 N3



Lightweight, unrestricted lateral sight, wraparound side arms and variable side pieces guarantee the perfect fit without pressure points, lateral safety shields integrated in the goggle's lens, according to DIN EN 166 and 170.

### Astrospec safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.
blue	22.50	5	20.80	2502-4000 N3

## Eye protection / safety goggles



Anti-fog lens, suitable for wearers of glasses, with ventilation system, unrestricted lateral view, close fitting, pressure-free fit, according to DIN/EN standard.

### Ultravision safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.
orange	30.25	5	28.85	2502-1007 N3



Various colours, pleasantly light. Good adjustability from the option for setting the side pieces to 4 lengths. Shield made of polycarbonate, resistant to high impact with integrated lateral protection. Maximum UV protection.

### Color safety spectacles

Colour	Price €	Quantity scale from	Scale price €	Item no.
yellow/black	20.40	5	18.35	2502-1004 N3
blue	19.95	5	18.35	2502-1005 N3



Very comfortable over-goggles with unrestricted side view, suitable to go over most glasses. 180° field of vision, lateral ventilation through the side shields. Without coating. With Polycarbonate side pieces. According to DIN EN 166 -168 and 170.

► Ideal as goggles for visitors

### Panorama safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.
glass clear	12.00	5	11.00	2502-1001 N3



Extremely robust eye-wear case with reinforced zipper and belt loop. Suitable for all spectacles, not for safety goggles Ultravision.

### Case with belt loop for all glasses with temple

Colour	Price €	Quantity scale from	Scale price €	Item no.
black	11.95	5	11.40	2502-1008 N3

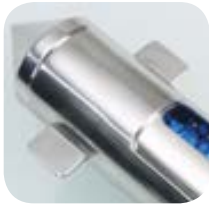


Very robust large eye-wear case for panoramic goggles with zipper, belt loop and additional compartment. Suitable for all spectacles and panoramic goggles.

### Case with belt loop for all glasses and goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.
black	17.85	5	17.05	2502-1009 N3

## Table of contents samplers



64 – 81	Samplers for bulk goods
64 – 69	Zone samplers
72 – 74	Samplers for silos
75 – 78	Samplers for pharmaceutical products
78 – 81	Bag/sack samplers
82 – 89	Accessories for bulk samplers
90 – 94	Samplers for viscous substances
95 – 117	Samplers for liquids
103 – 109	Vacuum samplers
110 – 114	Dipping bottles
115 – 147	Disposable & sterile samplers
126 – 149	Scoops, scrapers, spoons and spatulas
130 – 145	Volumetric-/dosing spoons and tweezers
150 – 151	Ice and meat sampling
152 – 153	Soil sampling
154 – 157	Accessories for samplers





## Samplers

Sampling from liquids, bulk goods and viscous media

## Take samples – but do it right!

### Taking samples

When taking samples, a random test is taken from an overall quantity. These samples serve as the basis for the analysis regarding quality assurance. The correct procedure for taking spot samples is therefore a very important subject. Only with representative and authentic samples can reliable information about the quality, properties or composition of a particular material be provided.

Very precise material analyses can be carried out with the most up-to-date technology. However, the technology is no good if an error occurs when the sample is taken and this error continues through all phases of the analysis, with the consequence that the final result of the quality check is wrong.

Correct information about the properties of a material can only be provided if the sample is taken properly and treated in the same way as in the subsequent analysis. The basic point is that the properties and composition of the sample quantity correspond exactly with the material quantity that has to be evaluated.

### Taking samples - but how?

When taking samples, some essential stipulations such as DIN-standards have to be complied with. The recommendation is to follow a company-internal checklist which should be a fixed component of a company's quality standards. All relevant steps for taking samples are documented in this checklist so that they can be traced at any time.



### Location for taking samples

The location from where the samples are taken has to be as clean as possible. At the very least, the use of clean samplers, equipment and tools has to be considered. During the procedure, no external



factors must influence the sampling. Even small external contamination can significantly alter the examination result. Detergents which are used to clean the samplers or the sample packaging can also falsify the result of the analysis.

### Taking samples - but who? - Qualified personnel

Only skilled personnel should take the samples. It must be guaranteed that sampling is carried out exactly in accordance with the stipulated DIN-standards or internal guidelines.

Technical knowledge is of utmost importance because altered circumstances can only be reacted to on-site. Only trained personnel can quickly and safely recognise mistakes that occur or altered circumstances and react accordingly.

## Taking samples - with what? - Sampling equipment



Choosing the right sampling equipment depends on many different selection criteria. It depends on the material properties of the sampler as well as on the type of sampling, the container or the site where the material is located, and the frequency with which the sampling has to be carried out. In addition to individual requirements for sampling, all equipment should fulfil the basic principles explained below:



### Sampler material

The equipment should be made of inert substances from which no material can come loose and which does not react with other substances and therefore cannot contaminate the sample. The inert substance depends on the medium to be sampled. As a general rule, samplers made of stainless steel and high-quality

plastic such as PTFE are very suitable.

### Cleaning the sampling equipment

It should be easy and quick to clean the equipment and – under certain conditions – to sterilise it. In the food industry, sterile-packed disposable samplers are recommended which can be disposed of after use.

### Processing the samplers

Samplers must not have any grooves or crevices because residual material collects in such crevices and cannot be easily removed. This means that cross-contamination and memory effects can no longer be ruled out.

## Surface of the equipment

The samplers' surfaces have to be especially smooth, for example, electro-polished stainless steel or PTFE. This prevents material from being deposited and simplifies cleaning. When selecting the appropriate sampling equipment, you must ensure that it is finished properly on the inside. Equipment with only a smooth external surface will not meet any quality standards.

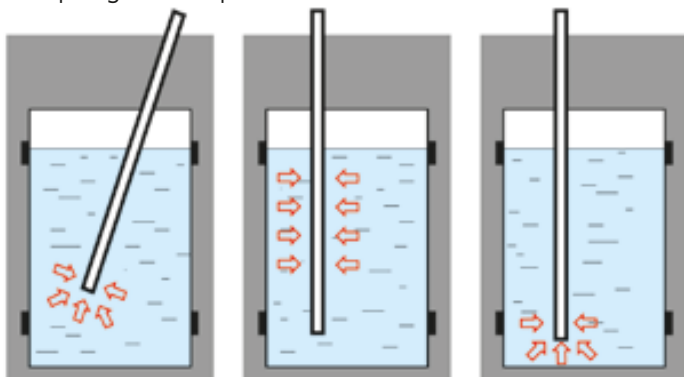
## Sampling techniques – physical and analytical sampling

A distinction is made between physical and analytical/chemical sampling.

During **physical sampling**, the bulk density, material distribution, material properties and – if required – colouring or contamination are determined. It is especially important in this case that the sampler does not change or destroy the material's properties while taking the sample. A sample taken onsite still has to be transported. During packing and transport, the same high quality standards should apply as during sampling, so that the sample reaches the laboratory unaltered.

During **analytical sampling**, special attention must be paid to cleanliness in addition to the aspects listed above. However, the material properties can be disregarded at times because the sample will be specially processed. In this case, equipment can be used which changes the physical properties of the material.

## Sampling techniques



From the left to the right: Point sampling, cross-sectional sampling, bottom sampling

### Cross-sectional sampling

A sample is taken through all material layers to provide a representative cross-section.

### Point sampling

A targeted sample is taken from a pre-determined point. This is done to determine the condition of the material precisely at this point, or several point samples are taken over a larger area or in a large volume container to get an authentic cross-section. All point samples together therefore provide a representative cross-section.

### Completing the sampling procedure

After the sample has been taken, it must be packed for transport.

Clean sampling containers connected directly to the sampling equipment are ideal. The sample has no contact with the environment and is packed for transport at the same time. The same conditions that relate to the sampling equipment also apply to packaging, storage, and transport of a sample.



Here, too, you must pay attention to the cleanliness of the packaging material and the risk of contamination from loose substances. The sample container is then labelled so that no mix-up can occur and taken to the laboratory – if necessary in coolers. Coolers with temperature monitors in which the ideal cooling temperature is maintained, are recommended.

### Advice

If samples are taken from sacks or bags, the insertion points must be closed again afterwards. For this, special labels should be used that stick firmly to dirty surfaces and can be written on.



### Any questions?

We will be happy to advise you. Talk to us - telephone +49 7635 82795-0. Or send an email to [info@buerkle.de](mailto:info@buerkle.de).

Bürkle GmbH - your partner for all questions about manual sampling.

## Overview sampling equipment

Product	Page	Liquids, normal	Liquids, aggressive	Liquids, flammable	Viscous substances/muds	Ice	Bulk goods, powders	Soil sampling	Transport of samples	Pharma	Sterile	Accessories
Zone sampler	64						x			x		
All-layer sampler	65						x			x		
Zone sampler Spiralus	67						x			x		
EasySampler	67						x					
All-layer drill	68						x					
All-layer-scratcher	69				x		x					
Scratcher	69				x		x					
PowderProof®	70						x			x		
SiloDrill	72						x					
SiloPicker	74						x					
Novartos	75						x			x		
MicroSampler	76						x			x		
PharmaPicker	77						x			x		
PharmaSpoon	78				x		x					
StickProof	78						x			x		
Milky	79						x			x		
Tubus	79						x			x		
QuickPicker	80						x			x		
close-it control seal	82						x		x			x
close-it food & pharma	84						x		x	x		x
close-it tape/food & pharma	85						x		x	x		x
seal-it security seal	87								x			x
safe-it	88								x			x
SampleSafe seal	89								x			x
Pigment lance	90				x		x					
Valve lance	90				x		x					
QualiRod	91				x							
Stainless steel spatula	92				x		x			x		
Palette knife spatula	92				x		x					
Mini ViscoSampler	93				x					x		
ViscoSampler	94				x							
LiquiSampler	95	x	x									
Dip Sampler	96	x										
Disposable plunging siphon	97	x	x									
PTFE Scoop	97	x	x							x		
Chemistry scoop	98	x		x	x		x			x	x	
Stainless steel scoop	98	x	x		x							
Liquid-Sampler	99	x										
TeleScoop	100	x										
Liquid CupSampler	102	x			x		x					
ChemoSampler	102	x	x									
Vampire Sampler	103	x	x									
MiniSampler	104	x	x									
ProfiSampler	106	x	x									
UniSampler	108	x										
Dipping bottle	110	x		x								
Dipping bottle Ex	111	x		x								
Immersion cylinder	111	x		x								
Dipping vessel	112	x		x								
Mini immersion cylinder	112	x		x								
Target immersion cylinder	113	x		x								
AquaSampler	113	x	x									

Product	Page	Liquids, normal	Liquids, aggressive	Liquids, flammable	Viscous substances/muds	Ice	Bulk goods, powders	Soil sampling	Transport of samples	Pharma	Sterile	Accessories
LiquiDispo	116	x	x							x	x	
DispoPipette	116	x	x							x	x	
DispoTube	117	x	x							x	x	
DispoLadle	117	x	x							x	x	
ViscoDispo	118	x	x		x					x	x	
PowderDispo	118						x			x	x	
DispoPicker	119						x			x	x	
DispoLance	119						x			x	x	
MicroDispo	120						x			x	x	
MultiDispo	120						x			x	x	
TargetDispo	121						x			x	x	
ZoneDispo	121						x			x	x	
Sampling bag SteriBag	122	x			x	x	x	x	x	x	x	x
SteriPlast® syringe	125	x	x		x					x	x	
Scoop, disposable	126				x		x			x	x	
Spatula, disposable	128				x		x			x	x	
Spoon, disposable	129	x			x		x			x	x	
Dosing spoon, white	130				x		x			x	x	
Forceps, disposable	131									x	x	
Scraper, disposable	131				x		x			x	x	
Bio scoop	132				x		x			x	x	
Bio spatula	133				x		x			x	x	
Bio spoons	133	x			x		x			x	x	
Food scoop, blue	134				x		x			x	x	
Spatula for foodstuffs, blue	135				x		x			x	x	
Spoon for foodstuffs, blue	135	x			x		x			x	x	
Measuring spoons, blue	136				x		x			x	x	
Single-use tweezers, blue	136									x	x	
Scraper for foodstuffs, blue	137				x		x			x	x	
DispoDipper	137	x	x							x	x	
Detectable scoops	138				x		x			x	x	
Detectable spatula	139				x		x			x	x	
Detectable spoon	139	x			x		x			x	x	
Detectable volumetric spoon	140				x		x			x	x	
Detectable scraper	140				x		x			x	x	
Detectable forceps	141									x	x	
Forceps, stainless steel	141									x		
Micro-spatula	142	x			x		x			x	x	
Spoon spatula	143	x			x		x			x	x	
Sample-spoon	144	x			x		x			x		
Dosing spoon set	144				x		x			x		
PharmaScoop	146				x		x			x		
EasyScoop	146				x		x			x		
Scoop AISI 304	147				x		x			x		
FoodScoop	147				x		x			x		
Plastic scoops	148						x	x				
Meat sampler	150				x							
IceSampler	150				x	x						
Ice borer	151				x	x						
GeoSampler	152							x				
Puerckhauer	152							x				
Mole	153							x				

## Zone samplers | for all kinds of bulk goods



1. Multi sampler (closed chambers)
2. All layer sampler (open inner tube)
3. Uno sampler (one closed chamber)

Bürkle zone samplers are used for taking samples of bulk goods of any kind.

The big advantage of zone samplers is that all-layer samples can be collected from all layers of the container.

Various bulk goods can be collected with the lances, from the finest powder to large grains such as corn or nuts.

The zone samplers are available in different lengths. 55 cm (only Multi, Uno and All-layer sampler) especially suitable for sacks, 85 cm long (especially for barrels, tubs, mixed containers) and 150 cm as well as 250 cm (only Jumbo sampler) for big bags, silos, tanks.

Safe and reliable sampling is made even easier with useful special accessories such as sealing sleeves, Quali-Paper, cleaning brushes, emptying devices and close-it control seals.

The zone samplers are available in different models for different sampling tasks.

- ▶ Smallest possible gap between the inner and the outer tube
- ▶ Easy cleaning, removable tip
- ▶ Colour coding (Multi and Uno sampler)
- ▶ Ultra-pure materials
- ▶ Excellent processing, robust model



Colour coding: Identification to prevent mixing up multi samplers and single samplers.





## Zone samplers | for all kinds of bulk goods



All-layer sampler, with open inner tube, no separate chambers, and large sampling volume. For all-layer samples through all the layers of the sample.

- ▶ Aluminium or AISI 316L (1.4404)
- ▶ 25 mm Ø



Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).



Multi sampler with several closed chambers, for multi point sampling from several predetermined sampling depths.

- ▶ Aluminium, AISI 316L (1.4404) or AISI 316L/PTFE
- ▶ Version made of AISI 316L (1.4404)/PTFE with low weight due to PTFE sample chambers.
- ▶ With colour coding system
- ▶ 25 mm Ø



Uno sampler made of stainless steel AISI 316L (1.4404)/PTFE with a closed sample chamber for point sampling from a predetermined sampling depth.

- ▶ Outer tube stainless steel AISI 316L (1.4404), sample chambers made of PTFE
- ▶ With colour coding system
- ▶ 25 mm Ø



Different colours of close-it. See page 82.

### All-layer-sampler

Material	Total length cm	Insertion depth mm	No. of open-ings	Chamber volume ml	Price €	Item no.	
aluminium	55	430	3	70	192.75	5317-2055	N4
aluminium	85	710	3	130	214.50	5317-2085	N4
aluminium	150	1355	5	260	272.70	5317-2150	N4
AISI 316L	55	430	3	70	571.55	5316-2055	N4
AISI 316L	85	710	3	130	659.00	5316-2085	N4
AISI 316L	150	1355	5	260	793.35	5316-2150	N4

### Multi sampler

Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.	
aluminium	55	430	3	14	219.20	5317-1058	N4
aluminium	85	710	3	17	243.85	5317-1085	N4
aluminium	150	1355	5	17	314.85	5317-1150	N4
AISI 316L	55	430	3	14	623.95	5316-3055	N4
AISI 316L	85	710	3	17	668.30	5316-3085	N4
AISI 316L	150	1355	5	17	845.70	5316-3150	N4
AISI 316L/PTFE	55	430	3	14	416.15	5316-0055	N4
AISI 316L/PTFE	85	710	3	17	466.95	5316-0085	N4
AISI 316L/PTFE	150	1355	5	17	681.90	5316-0150	N4

### Uno sampler

Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.	
AISI 316L/PTFE	55	430	1	17	424.30	5316-1055	N4
AISI 316L/PTFE	85	710	1	17	475.30	5316-1085	N4
AISI 316L/PTFE	150	1355	1	17	695.65	5316-1150	N4

### Use

1. Turn the handle, close the chambers.
2. Insert the sampler to the required depth.
3. Open the chambers, sample flows into the chamber.
4. Close the chambers.
5. Pull out the sampler.
6. Close the insertion opening with the close-it control seal.
7. Empty the chambers onto Quali-Paper or with the emptying device.

## Zone samplers | for all kinds of bulk goods

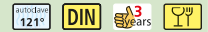


Jumbo sampler with a tube diameter of 50 mm, ideal for coarse grains and larger quantities. With an open inner tube and large sampling volume, for all-layer samples through all layers of the sample or with sample chambers separated by PTFE separators for multi point sampling from several predetermined sampling depths.

- ▶ Aluminium or aluminium/PTFE
- ▶ 50 mm Ø

### Jumbo sampler

Model	Total length cm	Material	Insertion depth mm	No. of open-ings	Chamber volume ml	Price €	Item no.
All layer - open inner tube	95	aluminium	850	3	880	426.20	5319-1085 N4
All layer - open inner tube	165	aluminium	1500	5	1700	603.50	5319-1150 N4
All layer - open inner tube	265	aluminium	2500	7	2900	681.60	5319-1250 N4
Multi - closed chambers	95	aluminium/PTFE	850	3	390	658.80	5319-2085 N4
Multi - closed chambers	165	aluminium/PTFE	1500	5	650	774.25	5319-2150 N4
Multi - closed chambers	265	aluminium/PTFE	2500	7	910	924.70	5319-2250 N4



## Accessories for zone samplers



Emptying device



Sealing sleeves zone sampler 25 mm usage



Quali-Paper for zone sampler



Cleaning brushes

### Emptying device

Model	Material	Length cm	Price €	Quantity scale from	Scale price €	Item no.
device with 3 funnels	AISI 304	100	366.45	5	335.50	5317-0030 N4
emptying funnel separate	AISI 304		57.05	3	51.70	5317-0033 N4

### Sealing sleeves

Dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
25	3	25.15	10	22.60	5317-0011 N4
50	1	21.50			5317-0010 N4

### Quali-Paper

L x W cm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
89 x 23	50	33.10	10	29.65	5317-0001 N4

### Cleaning brushes

Dia. mm	Length cm	Material	Price €	Quantity scale from	Scale price €	Item no.
25	40	PVC/stainless steel	41.50	10	39.35	5304-0040 N4
25	60	PVC/stainless steel	41.50	10	39.35	5304-0060 N4
25	80	PVC/stainless steel	41.50	10	39.35	5304-0080 N4
25	100	PVC/stainless steel	41.50	10	39.35	5304-0100 N4
50	100	PVC/stainless steel	45.55	5	41.00	5304-5100 N4
50	300	PVC/stainless steel	92.80	5	83.60	5304-5300 N4

## Zone sampler Spiralus



- ▶ Representative sample of the container layers.
- ▶ Aluminium, anodised
- ▶ Tip PA
- ▶ 38 mm Ø
- ▶ Low weight

Zone sampler Spiralus guarantees precise zone sampling through all layers of the sample. The spiral arrangement of the sampling slits means that these are opened one after the other from bottom to top. In this way the lowest opening is filled first and then those above it in sequence until the complete Spiralus has been filled. The shape of the sampling slits prevents seeds from being cut up. The zone sampler Spiralus provides an excellent all-layer sample.

### Applications

Spiralus is particularly suitable for sampling coarse-grained bulk goods, seeds and pellets at locations such as soil heaps, warehouses, trucks, railway goods wagons, etc.

Zone sampler Spiralus						
Total length cm	No. of openings	Weight g	Chamber volume ml	Price €	Item no.	
145	8	1400	770	431.65	5318-0145	
200	8	2000	1100	579.45	5318-0200	N4
Accessories						
Description				Price €	Item no.	
Cleaning brushes 50 mm dia., length 1000 mm				45.55	5304-5100	N4
Quali-Paper				33.10	5317-0001	N4





## EasySampler | easy to empty



It is possible to take multiple samples from bulk goods with this sampler quickly and easily. Emptying has been greatly simplified and in this model takes place via the tip. The advantage: The sample can be emptied directly into the sample container without having to disassemble the EasySampler, in order to obtain a mixed sample for instance. The bulk material must be free-flowing or self-flowing.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ For sample opening from 52 mm Ø

EasySampler has been developed in cooperation with an international chemical concern based in Ludwigshafen, Germany.

EasySampler							
Chamber volume ml	Total length cm	Tube Ø mm	Price €	Item no.			
60	100	32	571.05	5360-0600 N4			
200	104,5	32	571.05	5360-1000 N4			

# All-layer drill



The all-layer drill is a special zone collector specifically designed for heavily compacted substances. Often it is very difficult or impossible with conventional zone collectors to penetrate media of this type and take a sample extending through all layers. By contrast, the drilling blades of the all-layer drill burrow easily and quickly to the required depth without expending any great force. This makes it easy to take samples of media, even those with high density, and every type of highly compacted powders and granulates.

The all-layer drill thus allows you to take a representative sample through all the layers, even with greatly compressed media.

It is ideal for larger containers, mixed containers, big bags, etc. in the building materials, chemical, pharmaceutical, food and luxury items industries.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 25-mm diameter

## Use

1. The all-layer drill is screwed manually into the bulk material.
2. The chambers are opened at the desired sample depth and the sample material flows in.
3. Close the chambers.
4. Remove or unscrew the all-layer drill.
5. Empty the sample through the open inner tube.



## All-layer drill

Material	Total length cm	Insertion depth mm	No. of openings	Chamber volume ml	Price €	Item no.
AISI 316L	150	1355	5	260	1190.00	5310-0150 N4

## Accessories

Description	Price €	Item no.
Cleaning brushes 25 mm dia., length 100 cm	41.50	5304-0100 N4

## All-layer-scratcher



The scratcher is a special sampler for powders and granules that do not flow freely.

The sample is transferred to the closable inner tube using a scraper. Sliding PTFE separators are used to divide the inner tube into different zones. The separators also prevent the sample from being mixed.

- ▶ For caked bulked goods
- ▶ Zones can be varied due to moveable PTFE separators.
- ▶ Made of stainless steel AISI 316L (1.4404) and PTFE

All-layer-scratcher						
Dia. mm	Length mm	Chamber volume ml	Price €	Item no.		
25	1000	180	566.70	5351-1000	N2	
<b>Accessories</b>						
Description			Price €	Item no.		
Cleaning brushes 25 mm dia., length 100 cm			41.50	5304-0100	N4	

## Scratcher | for non-pourable substances



The scratcher has particularly been designed for sampling cohesive, caked and not free-flowing substances.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Total length 1000 mm
- ▶ 25 mm Ø

### Use

1. Insert the closed lance into the sample.
2. Open the inner tube by turning the sample chamber when at the required depth.
3. Turn the scratcher by 360° in the sample, the scraper directs the caked material into the sample chamber.
4. Close the sample chamber.

Scratcher						
Chamber volume ml	Flute length mm	Outer dia. with scraper mm	Price €	Item no.		
5	22	32	956.35	5347-0005	N2	
10	45	32	1001.70	5347-0010	N2	
25	110	32	1049.35	5347-0025	N2	

## PowderProof® | mobile powder sampling



Quality assurance starts with the inspection of incoming goods! An all-layer sample of bulk goods is no longer a problem with PowderProof®, the sampler for powders and granules.

PowderProof® is the practically proven professional solution for mobile sampling of powders and granules. Different lances and augers can be attached to the robust drive unit and swapped without any problems. This modular design makes PowderProof® a versatile instrument for sampling powders and granules from drums, barrels, bags or sacks.

Safe and reliable sampling is made even easier with useful accessories such as basket-enclosed bottles, sample bags and close-it control seals (see page 82).

PowderProof® with lance for horizontal use, such as sampling from sacks, with lance for vertical use, for sampling from open containers such as barrels, drums or bags.





## PowderProof® | mobile powder sampling







- ▶ Many uses
- ▶ Stainless steel AISI 316L (1.4404)/AISI 301 (1.4310)
- ▶ Incl. motor, two rechargeable batteries, fast charger, lance, spiral screw, bags, clip for holding the bag and cleaning brush
- ▶ Additional spiral screws available as accessory



### Use

1. The lance is inserted into the sack/container with the spiral screw rotating.
2. The powder or granules are immediately transported through the lance and filled directly into a sample bag or bottle at the lance outlet.

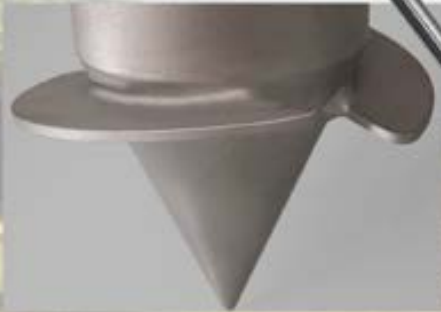
PowderProof®					
Model	Lance	Insertion depth mm	Price €	Item no.	
for powders up to 2 mm dia.	horizontal	300	1778.25	5302-0302	N2
for powders up to 2 mm dia.	vertical	600	1912.45	5302-0602	N2
for powders up to 2 mm dia.	vertical	900	2002.65	5302-0902	N2
for powders up to 2 mm dia.	vertical	1200	2220.50	5302-1202	N2
for granules from 2 up to 4 mm dia.	horizontal	300	1778.25	5302-0301	N2
for granules from 2 up to 4 mm dia.	vertical	600	1912.45	5302-0601	N2
for granules from 2 up to 4 mm dia.	vertical	900	2002.65	5302-0901	N2
for granules from 2 up to 4 mm dia.	vertical	1200	2220.50	5302-1201	N2
 Accessories					
Description			Price €	Item no.	
Spiral screw for PowderProof® for powders up to 2 mm dia., for 300 mm			260.80	5302-0316	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 600 mm			283.65	5302-0616	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 900 mm			311.85	5302-0916	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 1200 mm			336.05	5302-1216	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 300 mm			260.80	5302-0317	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 600 mm			283.65	5302-0617	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 900 mm			311.85	5302-0917	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 1200 mm			336.05	5302-1217	N2
Transport case LxWxH 123x25x11 cm (not for 1200 mm)			103.75	3600-2120	N4
Sampling bottle LDPE 500 ml			2.97	0318-0500	N3
Sampling bottle LDPE 1000 ml			4.92	0318-1000	N3
Basket for sample bottles 500 ml, Ø 84 mm, incl. holding ring			82.10	5302-2055	N2
Basket for sample bottles 1000 ml, Ø 100 mm, incl. holding ring			104.10	5302-2105	N2
Clamp for sampling bags, Ø 25			15.50	5338-0001	N2
Packaging bags with closure, 220x160 mm, 1000 ml, 100 pieces			12.25	2348-0006	N3



PowderProof® for horizontal and vertical use

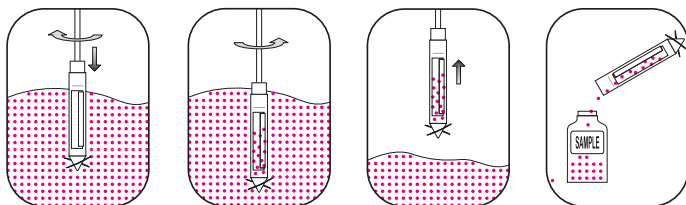
## SiloDrill | for sampling from silo vehicles

- Drill tip with drilling blades for easy boring



© lichtkunst\_73/Pixelio

## SiloDrill | for sampling from silo vehicles



If bulk goods are transported over long distances (in trucks, railway goods wagons), separation may occur.

Taking the sample just from the surface therefore leads to the wrong result.

Representative samples from all layers of the silo can be taken with the SiloDrill. The SiloDrill fits through all standard openings with its diameter of 90 mm.



- ▶ Of stainless steel AISI 304 (1.4301) or aluminium
- ▶ Standard length 150 cm, extendable in increments of 100 cm, max. 350 cm
- ▶ Sprung inner tube prevents jamming of coarse grains
- ▶ Scraper edge for cohesive substances
- ▶ Sturdy, removable T-handle
- ▶ Drill tip with drilling blades for easy boring
- ▶ Easy removal of the sample chamber, simple cleaning



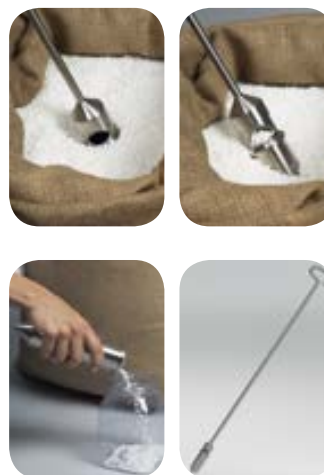
### SiloDrill

Material	Total length cm	Spiral screw dia. mm	Chamber dia. mm	Volume ml	Price €	Item no.	
aluminium	150	90	40	400	510.05	5301-1000	N4
AISI 304	150	90	40	400	2791.85	5301-2000	N4

### Accessories

Description	Price €	Item no.
SiloDrill extension AISI 304, 100 cm	109.35	5301-0500 N4
Transport case LxWxH 123x25x11 cm	103.75	3600-2120 N4

# Silo sampler SiloPicker



The SiloPicker is ideal for taking bulk goods samples from silos. Using the extension rods, samples can be taken from depths down to 3.5 m.

The insertion depth depends on the density of the bulk goods.

- Stainless steel AISI 316L (1.4404)

## Use

1. Insert SiloPicker into the bulk goods. When this is done, the closure sleeve automatically closes the collection container.
2. When the sampling depth has been reached, the closure sleeve is opened by gently pulling back the SiloPicker, the sampling container is filled.
3. Pull out the SiloPicker and empty it.



## Silo sampler SiloPicker

Chamber volume ml	Length cm	Outer dia. mm	Price €	Item no.	
100	130	50	393.90	5340-1100	N4
Accessories					
Description	Price €	Item no.			
SiloPicker extension 50 cm	52.80	5380-0508 N4			
SiloPicker extension 100 cm	61.40	5380-1008 N4			
SiloPicker handle	62.35	0006-8112 N4			
SiloPicker sample container	259.60	5340-0100 N4			
Transport case LxWxH 123x25x11 cm	103.75	3600-2120 N4			

## Unit-Dose-Sampling

During powder separation checks and purity validations of powders, liquids and semi-solid substances, special procedures (unit-dose-sampling) must be employed to achieve the desired results.

Special sampling methods, which are required especially in the pharmaceutical industry in conformance with FDA and GMP specifications, require samplers with special features.

- High degree of preciseness
- Groove-free surfaces, electro-polished if possible
- AISI 316 stainless steel or PTFE materials
- Sterilisable
- Easy and perfect cleaning

Many Bürkle Samplers fulfill these demands, have been tested in actual practice, and are distinguished by especially sturdy and precise machining.

**Novartis** is a pharma zone sampler for unit-dose sampling:

- For various sampling depths with simultaneous double sample (Duo-Sampler).
- Precise volume calibration with 40 exchangeable sample inserts with volumes from 0.1 ml to 4.0 ml, in increments of 0.1 ml.



# Novartos | pharma zone sampler for sampling according to FDA guidelines for unit-dose sampling



The Novartos Multi has 14 sample chambers for up to seven sample zones for an all-layer sample.

Novartos Uno sampler with two sample chambers, for one sample zone.



- ▶ The sample inserts fit precisely and can easily be replaced.
- ▶ Inserts are available in volumes from 0 to 4.0 ml
- ▶ The insertion depths can easily be read from the laser-engraved depth scale
- ▶ Stainless steel AISI 316L (1.4404) / AISI 316Ti (1.4571)
- ▶ Groove-free and hand-polished
- ▶ 25 mm Ø



Novartos was developed in co-operation with a globally-operating pharmaceuticals and chemicals corporation located in Basel, Switzerland.

## Novartos Multi

Model	Length mm	Price €	Item no.
without inserts	1000	1841.80	5358-1000 N4

## Accessories

Description	Price €	Item no.
Transport case LxWxH 123x25x11 cm	103.75	3600-2120 N4

## Novartos Uno

Model	Length mm	Price €	Item no.
without inserts	600	1197.55	5358-0600 N4
without inserts	1000	1253.15	5358-1001 N4
without inserts	1400	1282.50	5358-1400 N4

## Accessories

Description	Price €	Item no.
Transport case LxWxH 123x25x11 cm (not for Novartos 1400 mm)	103.75	3600-2120 N4

Novartos the Pharma zone sampler for sampling according to FDA guidelines for Unit-Dose-Sampling. It is now possible to withdraw a double-sample without inserting the lance repeatedly into the bulk material. Mixing is mainly prevented in this way.

One significant advantage of Novartos is the easy cleaning.

Complete filling and emptying of sample chambers has been improved substantially using computer-optimised geometry. There are no crevices or dead spaces where sampling residues can collect.

- Novartos Uno for targeted sampling
- Novartos Multi enables all-layer samples

Accessories			
Description	Price €	Item no.	
Inserts for Novartos Multi, capacity 0 ml	94.35	5358-0000	N4
Inserts for Novartos Multi, capacity 0.5 ml	109.65	5358-0005	N4
Inserts for Novartos Multi, capacity 1 ml	109.65	5358-0010	N4
Inserts for Novartos Multi, capacity 1.5 ml	109.65	5358-0015	N4
Inserts for Novartos Multi, capacity 2 ml	109.65	5358-0020	N4
Inserts for Novartos Uno, capacity 0 ml	94.35	5358-0100	N4
Inserts for Novartos Uno, capacity 0.5 ml	109.65	5358-0105	N4
Inserts for Novartos Uno, capacity 1 ml	109.65	5358-0110	N4
Inserts for Novartos Uno, capacity 2 ml	109.65	5358-0120	N4
Inserts for Novartos Uno, capacity 3 ml	109.65	5358-0130	N4
Inserts for Novartos Uno, capacity 4 ml	109.65	5358-0140	N4

# MicroSampler | useful for taking small samples, sterilisable



## Use

1. Insert MicroSampler into powder.
2. At the predetermined point, open the volume tip by pressing the button, the sample flows in.
3. Close the volume tip, the sample is collected.
4. Pull back the lance, open the volume tip again, empty the sample.

The MicroSampler has especially been designed for the sampling of small quantities of powder.

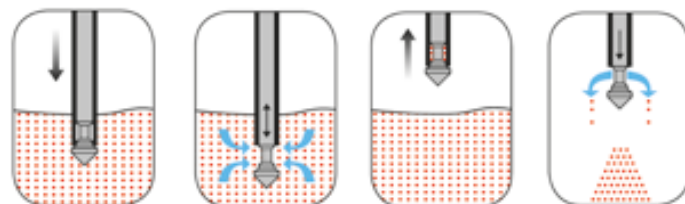
Volumes of 0.2 ml, 0.5 ml, 1.0 ml, 2.0 ml, 5.0 ml and 10 ml can be sampled easily, quickly and cleanly from different sampling depths from sacks or containers.

The tips of the MicroSampler are interchangeable. This means that tips with different volumes can be used.

- Point sampling
- Various lengths and volumes are available
- Tip can be removed, easy cleaning
- Stainless steel AISI 316L (1.4404)
- Sterilisable
- Additional tips are available in different sizes



Please order lance and head separately!



## MicroSampler

Tube Ø mm	Length cm	Model	Price €	Item no.	
12	55	without head	232.50	5307-1055	N4
12	85	without head	258.10	5307-1085	N4
12	120	without head	280.90	5307-1120	N4
25	55	without head	302.45	5307-2055	N4
25	85	without head	326.70	5307-2085	N4
25	120	without head	348.15	5307-2120	N4

## Accessories

Description	Price €	Item no.
MicroSampler heads fits tube with 12 mm dia., capacity 0.2 ml	69.95	5307-0102 N4
MicroSampler heads fits tube with 12 mm dia., capacity 0.5 ml	69.95	5307-0105 N4
MicroSampler heads fits tube with 12 mm dia., capacity 1 ml	69.95	5307-0110 N4
MicroSampler heads fits tube with 25 mm dia., capacity 2 ml	95.50	5307-0202 N4
MicroSampler heads fits tube with 25 mm dia., capacity 5 ml	95.50	5307-0205 N4
MicroSampler heads fits tube with 25 mm dia., capacity 10 ml	95.50	5307-0210 N4



# PharmaPicker | for sampling very small quantities



For sampling very small quantities of highly potent, expensive or active powders for analysis. The smallest sample quantities from 0.1 ml to 2.5 ml can be collected with the PharmaPicker. By simply exchanging the volume tip in the collection cylinder for 0.1–1.2 ml or 1.25–2.5 ml, the sampling volume is modified.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Electro-polished

Please order lance and head separately!

The PharmaPicker has a length of 60 cm and can be extended repeatedly by 50 cm or 100 cm, maximum length 3.50 m. The PharmaPicker is available separately or as PharmaPicker Case in a handy transport box.

**PharmaPicker Case** consisting of: Collection cylinders in both sizes, extension rod 50 cm and 100 cm, handle, volume tips 0.4 ml, 0.6 ml, 0.8 ml, 1.0 ml, 1.2 ml, 1.4 ml, 1.8 ml, 2.0 ml, 2.3 ml and 2.5 ml (alternative sample volumes on request), transport box.

## Use

1. Insert the required volume tip into the collection cylinder.
2. Insert the PharmaPicker, the disc sleeve closes the collection cylinder automatically.
3. The disc sleeve opens the collection cylinder at the required point, and the desired sample is collected.
4. Withdraw the PharmaPicker completely.
5. Empty the sample directly from the collection cylinder into the analysis container.

PharmaPicker			
Model	Price €	Item no.	
with collection cylinder for 0.10–1.20 ml, without head	361.60	5346-1000	N2
with collection cylinder for 1.25–2.50 ml, without head	361.60	5346-2000	N2
Case, completely	1763.45	5346-0010	N2

## Accessories

Description	Price €	Item no.	
Volume heads for PharmaPicker, capacity 0.10 ml	71.40	5346-1010	N2
Volume heads for PharmaPicker, capacity 0.20 ml	71.40	5346-1020	N2
Volume heads for PharmaPicker, capacity 0.60 ml	71.40	5346-1060	N2
Volume heads for PharmaPicker, capacity 1.00 ml	71.40	5346-1100	N2
Volume heads for PharmaPicker, capacity 2.00 ml	71.40	5346-2200	N2
Volume heads for PharmaPicker, capacity 2.50 ml	71.40	5346-2250	N2

## Accessories

Description	Price €	Item no.	
Extension rod PharmaPicker 500 mm	59.20	5380-0506	N4
Extension rod PharmaPicker 1000 mm	68.75	5380-1006	N4
Collection cylinder for 0.10–1.20 ml, without volume head	233.95	5346-1001	N2
Collection cylinder for 1.25–2.50 ml, without volume head	223.20	5346-2001	N2
Handle PharmaPicker	62.35	0006-8113	N3

## PharmaSpoon | for ultrapure sampling



PharmaSpoon for taking samples of powdery substances, intermediate products and material in the pharmaceutical industry. Special materials with excellent surface qualities must be used for this to prevent cross-contamination. Our PharmaSpoon fulfils these requirements. Made of stainless steel AISI 316L (1.4404), surface highly polished by hand (not electro-polished!). The excellent surface properties of the PharmaSpoon provide significant advantages.

- ▶ Possible residues are even visible in the trace sector ( $\mu\text{g}$  sector)
- ▶ The surface is easy to clean
- ▶ The PharmaSpoon is also suitable for sterile sampling

The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

### PharmaSpoon

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
650	495.20	5	396.15	5324-0001	N2



## StickProof



Sampler for powder in the pharma area, made of stainless steel AISI 316L, material 1.4404. The especially slender tip can be inserted easily and deeply in order to take the sample. The conical inlet of the tip allows the collection of either very small or larger quantities. StickProof is constructed in one piece without edges, grooves or crevices for perfect and easy cleaning. The sample can be filled directly into the sampling bag from the outlet end. Fasten the bag with a sturdy clamp.

- ▶ Surface electro-polished
- ▶ Various sample quantities up to approx. 50 ml
- ▶ Incl. clamp and 100 PE sampling bags 120x170 mm

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

### StickProof

Length mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
410	25	332.30	5	299.95	5338-0410	N4
1100	25	445.65	5	401.25	5338-1100	N4



### Accessories

Description	Price €	Item no.
StickProof clamp	15.50	5338-0001 N2
Packaging bags with closure, 170x120 mm, 400 ml, 100 pieces close-it control seals see page 82	9.35	2348-0005 N3

## Sampling lance Milky | acc. to EN ISO 707



- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Insertion depth 385 mm
- ▶ Total length 480 mm
- ▶ Outer diameter approx. 28 mm

Universal powder and granules sampler made of stainless steel AISI 316L (1.4404). Developed initially for milk powder samples, conforms to standards of DIN and IDF (International Dairy Federation). The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.



close-it seals and close-it food lock seals ensure non-leak closure of the insertion point in bags and BigBags. See page 82.

### Sampling lance Milky

Volume ml	Price €	Quantity scale from	Scale price €	Item no.	
150	168.15	5	149.25	5321-0300	N4

## Sampler Tubus



Sampler for pourable bulk goods up to approx. 1 cm in diameter. This makes it possible, for example, to remove hazel nuts, blends of tea, grain or similar items from large sacks.

- ▶ Also for coarse-grained bulk goods
- ▶ Made of stainless steel AISI 316L (1.4404)
- ▶ Special geometry of the tip

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

### Use

1. Insert Tubus into a sack to the desired sampling depth, while keeping the collection tube closed using your hand.
2. When you remove your hand, the sample flows directly through the open tube into the container or sampling bag beneath it.

### Sampler Tubus

Length cm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
40	40	116.20	10	111.65	5382-0040	N4
80	40	151.45	10	138.30	5382-0080	N4

### Accessories

Description	Price €	Item no.
close-it food & pharma control seals see page 84		

**QuickPicker** | collects samples quickly and channels them directly into the sampling bottle



The core sampler QuickPicker is particularly suitable in the event that bulk goods are taken directly from sacks or bags and have to be filled into the original sampling bottle directly. QuickPicker is uncomplicated in its use and cleaning. No undercuts or edges mean no sample residues which could falsify subsequent samples. It is therefore ideal for quality control.

The sampler QuickPicker is delivered complete with two 250 ml PE sample bottles and with a cleaning brush.



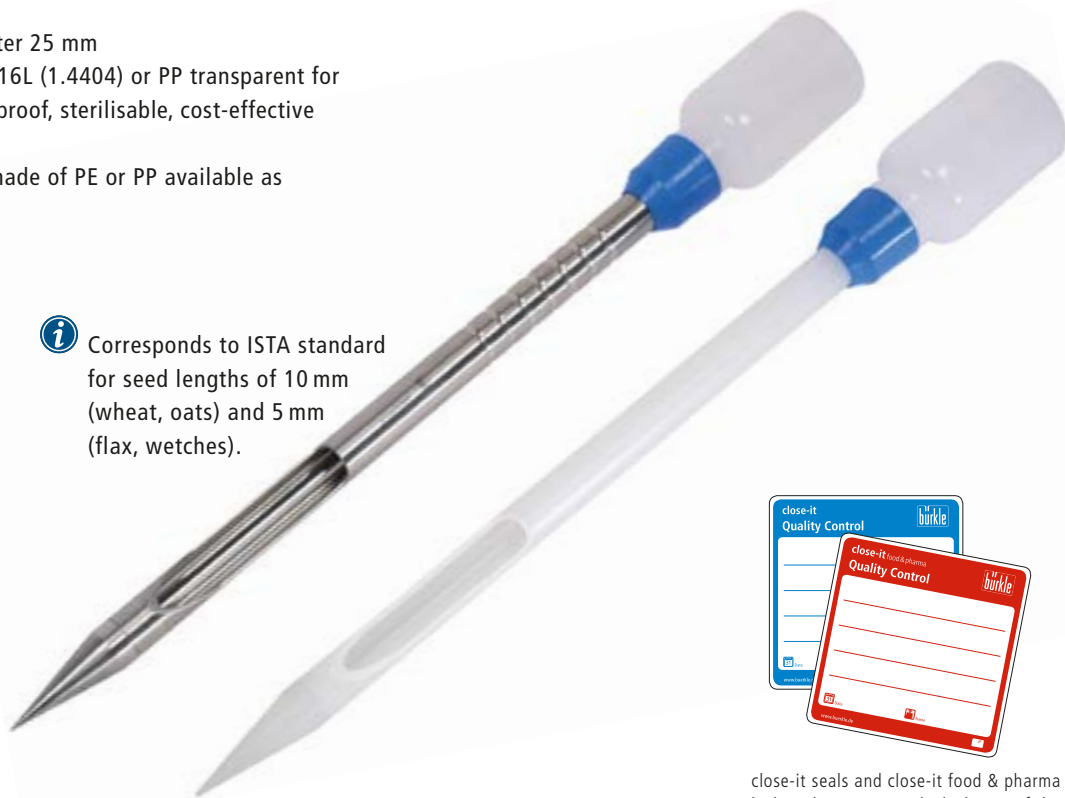
## QuickPicker | collects samples quickly and channels them directly into the sampling bottle

- ▶ Insertion depth 30 cm, diameter 25 mm
- ▶ Made of stainless steel AISI 316L (1.4404) or PP transparent for aggressive chemicals, scratchproof, sterilisable, cost-effective
- ▶ Removable tip, easy cleaning
- ▶ Additional sampling bottles made of PE or PP available as accessories



QuickPicker AISI 316L in use

**i** Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, wetches).



close-it seals and close-it food & pharma lock seals ensure non-leak closure of the insertion point in bags and BigBags. See page 82.

### QuickPicker

Material	Insertion depth mm	Total length cm	Volume ml	Price €	Quantity scale from	Scale price €	Item no.
AISI 316L	300	50	75	214.40	5	193.85	5322-1300 N4
PP, transparent	300	50	75	134.85	5	122.10	5322-0300 N4

### Accessories

Description	Price €	Item no.
Sampling bottle LDPE, 250 ml	1.81	0318-0250 N3
Sampling bottle PP, 250 ml	2.05	0319-0250 N3
Transport case for QuickPicker	28.10	3600-3000 N3

close-it control seals see page 82



## close-it control seal | essential for sampling

- ▶ The labels are supplied in handy rolls
- ▶ The cross perforations allow each label to be separated from the roll individually
- ▶ close-it – standard size 95 x 95 mm
- ▶ close-it Maxi - 150 x 150 mm, for larger holes or longer tears in containers





## close-it control seal | essential for sampling

Taking samples from sacks, boxes, bags, etc. with sampling lances is a common and time-proven practice. This produces holes through which easily flowing bulk goods could escape from the container. With the close-it seal, this can be prevented in an uncomplicated manner.

close-it has been especially developed for this purpose. The label has a sandwich-type structure (aluminium/ paper) and seals the container hermetically (vapour barrier). This virtually prevents hygroscopic powders from clumping together. The label is not just used to provide a hermetic seal. It is also used for providing quality control information (sampling date, release yes/no, name of tester, etc.).

The labels are available in different colours. With printing in red, blue, green, yellow, black, neutral, without printing in white.

close-it can be written on with ball-point pen, pencil or felt-tip marker.

The rear of the label is coated with a powerful adhesive. This means that close-it sticks firmly to most commercial containers, even to surfaces coated with fine powder, slightly moist or even frozen surfaces where conventional labels or adhesive tape will not stick.



### Control seal close-it 95x95

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
red	printed	95 x 95	500	57.05	10	51.00	5303-0012 N4
yellow	printed	95 x 95	500	57.05	10	51.00	5303-0014 N4
blue	printed	95 x 95	500	57.05	10	51.00	5303-0015 N4
green	printed	95 x 95	500	57.05	10	51.00	5303-0016 N4
black	printed	95 x 95	500	57.05	10	51.00	5303-0011 N4
white	unprinted	95 x 95	500	57.05	10	51.00	5303-0002 N4

#### Accessories

Description	Price €	Item no.
close-it dispenser for labels with 95 x 95 mm	84.65	5303-9000 N4

### Control seal close-it maxi 150x150

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
red	printed	150 x 150	250	79.95	10	74.55	5303-1012 N4
yellow	printed	150 x 150	250	79.95	10	74.55	5303-1014 N4
blue	printed	150 x 150	250	79.95	10	74.55	5303-1015 N4
green	printed	150 x 150	250	79.95	10	74.55	5303-1016 N4
black	printed	150 x 150	250	79.95	10	74.55	5303-1011 N4
white	unprinted	150 x 150	250	79.95	10	74.55	5303-1002 N4

#### Accessories

Description	Price €	Item no.
close-it dispenser for labels with 150 x 150 mm	118.70	5303-9100 N4

## Control seal close-it food & pharma

In response to numerous re-requests from our customers, we have developed close-it food & pharma, a control seal with an adhesive approved for use with foodstuffs. The strength of the adhesive is almost as powerful as that of the original, the close-it from Bürkle, proven millions of times. close-it food & pharma also reliably prevents products from leaking out after sampling.

The adhesive complies with the European guidelines for foodstuffs. Just like the original, close-it food & pharma has a barrier layer of aluminium foil. This means that close-it food & pharma is suitable for sampling foodstuffs, pharmaceuticals, cosmetics, food additives, even frozen goods – in short, for all applications in which cleanliness is particularly important.

- ▶ According to FDA Guidelines
- ▶ Particularly suited for the food and pharma industry



### Control seal close-it food & pharma 95x95

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
red	printed	95 x 95	500	57.05	10	51.00	5303-2017	N4
yellow	printed	95 x 95	500	57.05	10	51.00	5303-2020	N4
blue	printed	95 x 95	500	57.05	10	51.00	5303-2021	N4
green	printed	95 x 95	500	57.05	10	51.00	5303-2022	N4
black	printed	95 x 95	500	57.05	10	51.00	5303-2023	N4
white	unprinted	95 x 95	500	57.05	10	51.00	5303-2018	N4

### Accessories

Description	Price €	Item no.
close-it dispenser for labels with 95 x 95 mm	84.65	5303-9000 N4

### Control seal close-it food & pharma Maxi 150x150

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
red	printed	150 x 150	250	79.95	10	74.55	5303-3017	N4
yellow	printed	150 x 150	250	79.95	10	74.55	5303-3020	N4
blue	printed	150 x 150	250	79.95	10	74.55	5303-3021	N4
green	printed	150 x 150	250	79.95	10	74.55	5303-3022	N4
black	printed	150 x 150	250	79.95	10	74.55	5303-3023	N4
white	unprinted	150 x 150	250	79.95	10	74.55	5303-3018	N4

### Accessories

Description	Price €	Item no.
close-it dispenser for labels with 150 x 150 mm	118.70	5303-9100 N4





Besides the individually detachable close-it and close-it food & phar-  
ma closure labels, our repeatedly tested and proven control seal is  
now also available on a continuous roller. This helps you discover  
whether you require only a small piece, for example for closing a  
small hole, or for marking a specific point. Or whether you want to  
repair a long crack or a large hole quickly, reliably and easily.

With its extremely strong adhesive strength, close-it<sup>tape</sup> holds on the  
most diverse bases, where the glue effect of normal adhesive tape  
quickly reaches its maximum capacity.

For universal use, we have kept the adhesive tape close-it<sup>tape</sup> in  
white with tear-off lines. It can be labelled with permanent ink and  
locks gas-proof. Available in the classic close-it design, as well as  
close-it<sup>tape</sup> food & pharma, with a food-compatible adhesive.

- ▶ Customizable
- ▶ Different designs
- ▶ For larger holes or longer tears in containers

close-it <sup>tape</sup>						
Width mm	Model	Length m	Price €	Quantity scale from	Scale price €	Item no.
95	standard	50	57.05	10	51.00	5303-0017 N4
150	standard	50	79.95	10	74.55	5303-1017 N4
95	food & pharma	50	57.05	10	51.00	5303-2019 N4
150	food & pharma	50	79.95	10	74.55	5303-3019 N4
Accessories						
Description					Price €	Item no.
close-it dispenser for labels with 95 x 95 mm					84.65	5303-9000 N4
close-it dispenser for labels with 150 x 150 mm					118.70	5303-9100 N4

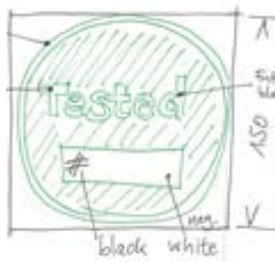
## close-it | with individual customer-specific special printing

Custom-made according to the customer's specifications

The close-it control seal has many satisfied users who use close-it as a control seal, for documentation or as an informative label.

### Your individual close-it

We would be happy to help you design your own close-it. Do you need final artwork for your draft? Or would you like to use our complete graphics service from draft stage through the print process? Our advertising department would be happy to consider any challenge!



Your idea



Our draft



Finishing and print



Your close-it label

### Shape and colour

Round, square, rectangular or other shape? Unusual contours can also be implemented! We would be pleased to provide you with a quote. Of course print is available in all colours, with either single or multiple colours.

### Finishing

close-it can be manufactured with or without carrier paper perforations. Different numbers of close-it labels can be supplied in a single roll.



## seal-it security seal | for retention samples and tamper-proof packs

## close-it dispenser



- ▶ Clear identification via numbers in sequence
- ▶ Integrated control label with the same number, for accompanying documents
- ▶ Format 178 mm long, 30 mm wide
- ▶ Tear-off perforation for each label

Retention samples are kept to provide a sample for comparison at a later date. The unambiguous proof that the retention sample is identical to the original sample is only possible with clearly marked and sealed containers. However, sealing is frequently not possible unless eyelets are present.

seal-it provides the solution! The seal-it self-adhesive label sticks to all conventional containers. Thanks to its unbelievable adhesive power it cannot be removed.

If a container opening is closed with seal-it, then the container cannot be opened without destroying the seal-it label. seal-it is additionally provided with several cross-perforations which immediately tear when manipulated like a motorcar tax disc.

seal-it can be used to securely seal bottles, sample bags, sacks, specimen bags, envelopes, etc. – in principle any type of container. The aluminium foil adapts seal-it to any container shape. The white labelling field on seal-it can be written on with all conventional writing tools with, for example, contents information, sampling date, name of operator, etc.



The close-it dispenser ensures safe storage and simple removal of the labels. The labels can be conveniently written on due to the marking plate.

- ▶ For close-it standard size 95 x 95 mm or close-it Maxi 150 x 150 mm

### seal-it security seal

Length mm	Width mm	Colour	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
178	30	red	500	119.00	5	114.60	5399-0003 N4

### close-it dispenser

Model	Price €	Item no.
for labels with 95 x 95 mm	84.65	5303-9000 N4
for labels with 150 x 150 mm	118.70	5303-9100 N4



## Tamper proof labels safe-it

The safety label safe-it is used as originality seal and as protection from manipulations of e.g. samples, retention samples, for transporting samples, sealing containers with important or dangerous chemicals in the lab as well as sealing letters, shipments and much more.

The initial opening of a package is made obvious and irrevocably visible with the seal guaranteeing originality, unauthorised opening can therefore be proven.

If the safety label is removed, it divides into separate layers. A pattern that was previously hidden appears on the surface and is irreversible. The glue leaves a residue on the surface that cannot be removed (a so-called void label). Once the label has been removed, it cannot be used again. Changing the label or modifying it afterwards are therefore not possible.

When the safe-it security seal has been broken, a silver checkerboard pattern appears on both the subsurface and surface of the sticker itself.

- ▶ With checkerboard pattern
- ▶ Visible proof of tampering



### Tamper proof labels safe-it

W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
95 x 20	500	94.20	5	84.70	5303-5000 N4

### Accessories

Description	Price €	Item no.
close-it dispenser for labels with 95 x 95 mm	84.65	5303-9000 N4



## SampleSafe seal | secure your samples



Retained samples must be always secured against falsification and ambiguity in identification. Bottles with sealing eyelets should therefore be secured with SampleSafe seals.

The seals are made of stable polypropylene. The seals are to be uniquely identified with the serial 9-digit number.

The seal ring has a diameter of 2 mm, therefore SampleSafe seals also fit through small eyelets and slits. The seal tape is secured in the closure chamber by a metal insert made of stainless spring steel. The one-way tightening mechanism offers additional security against manipulation. It is not possible to forcibly open or manipulate the closure of the seal without leaving behind clear traces.

- ▶ Clear identification via numbers in sequence
- ▶ 100 seals (10 strips) per pack.
- ▶ Protection against manipulation by stainless steel safety spring.

### SampleSafe seal

Length mm	Dia. mm	Colour	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
260	2	red	100	70.55	10	66.80	5399-2902	N4



## Sealable wide-necked bottles



Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- ▶ HDPE
- ▶ Leakproof
- ▶ Easy to fill due to wide-necked opening

### Sealable wide-necked bottles

Capacity ml	Container dia. mm	Neck dia. inside mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
250	64	26.5	118	2.56	50	2.21	0322-0250	N3
500	78	40	147	2.64	50	2.30	0322-0500	N3
1000	100	50	186	5.35	50	4.48	0322-1000	N3
2000	120	50	230	6.15	50	5.30	0322-2000	N3



### Accessories

Description	Price €	Item no.
SampleSafe seal, red, 100 pieces	70.55	5399-2902 N4

## Pigment lance

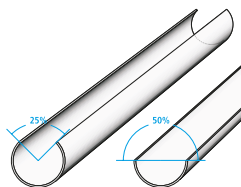


Pigment lance to sample pigments, pastes and agglomerating bulk goods.

- ▶ With half-open flute 50 %, for heavily sticking products
- ▶ With quarter-open flute 25 %, for lightly sticking products
- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 30 mm Ø

### Use

1. Insert the lance to the required depth.
2. Turn the handle, the sample is collected into the open flute.
3. Pull back the lance.
4. Take out the sample.



Pigment lance						
Flute length mm	Flute openings %	Volume ml	Total length mm	Price €	Item no.	
300	25	145	432	195.00	5369-0300	N4
300	50	85	432	212.35	5369-0310	N4
600	25	312	732	280.90	5369-0600	N4
600	50	179	732	305.10	5369-0610	N4
900	25	480	1032	377.85	5369-0900	N4
900	50	273	1032	408.80	5369-0910	N4

## Valve lance



Sampler for all-layer samples of viscous, paste-like, semi-liquid substances, according to DIN 51750 pt. 3 and DIN EN ISO 15528. Different layers remain intact particularly with paste-like substances.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 32 mm Ø
- ▶ Optimised opening mechanism (can be completely disassembled) for easy cleaning

### Use

#### For viscous substances:

1. The valve lance is inserted all the way to the bottom, whilst being closed.
2. It is opened, closed and pulled out again.

#### For paste-like substances:

1. The valve lance is inserted all the way to the bottom, whilst being open.
2. It is closed and pulled out again.

Valve lance				
Length mm	Price €	Item no.		
550	1273.05	5359-1600	N4	
800	1590.90	5359-1800	N4	

Accessories				
Description	Price €	Item no.		
Transport case LxWxH 123x25x11 cm	103.75	3600-2120	N4	

## QualiRod conical



Conical hand-drill, conically shaped, with sharp cutting edges and a solid handle. Ideal for cutting out samples for quality control from soft, paste-like substances (cheese, butter, clay, soap, wax, etc.).

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Sterilisable
- ▶ According to EN/ISO 707

## QualiRod cylindrical



Cylindrical hollow drill with a sharp cutting edge, can easily be driven into paste-like and semi-solid substances. The samples cut out are subsequently removed with the appropriate push-rod ejector. Total length 260 mm. Inner Ø 8 mm, outer Ø 10 mm.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Sterilisable
- ▶ Inner Ø 8 mm, outer Ø 10 mm

### QualiRod conical

Drilling depth mm	Price €	Quantity scale from	Scale price €	Item no.
110	56.90	5	53.50	5311-0001 N4
150	91.55	5	87.75	5311-0002 N4

### Accessories

Description	Price €	Item no.
Transport case, inner dimensions 258x178x45 mm	12.70	3600-0021 N3
Control seal close-it food & pharma control seal see page 84		

### QualiRod cylindrical

Drilling depth mm	Price €	Quantity scale from	Scale price €	Item no.
200	124.85	5	112.85	5311-0101 N4

### Accessories

Description	Price €	Item no.
Transport case, inner dimensions 258x178x45 mm	12.70	3600-0021 N3

## Stainless steel spatula



Sample spatula made of stainless steel AISI 316L (1.4404). The highly stable and solid design of the spatula allow it to pierce solid substances or sacks and Big-Bags. The spatula is made of premium stainless steel, high-gloss polished and completely welded, thus completely free of undercuts. It is therefore ideally suited for taking samples of powders, granulates and pasty media, especially in food and pharmaceutical applications.

- ▶ Made completely of stainless steel AISI 316L (1.4404)
- ▶ Very sturdy
- ▶ Easy to clean
- ▶ Autoclavable
- ▶ Can be flame-sterilized
- ▶ High-gloss polished

## Palette knife spatula



Similar to a pallet or dispensing chemist's spatula, this palette knife spatula is suitable for applying or distributing viscous media such as pastes and creams, or for spreading them smoothly. The high-quality stainless steel spatula is manufactured entirely from one piece, with no edges or crevices. That makes cleaning easier and prevents product residue and cleaning agents from accumulating.

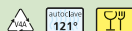
The spatula has a long, narrow, high-gloss polished blade that facilitates precise work. The sturdy handle fits comfortably in the hand. The laboratory spatula is suitable for use in chemical and pharmaceutical applications.

- ▶ Stainless steel (1.4301)
- ▶ Manufactured from a single piece
- ▶ Very sturdy



### Stainless steel spatula

Insertion depth mm	Volume ml	Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
188	50	300	156.65	5	145.90	5383-1000	N4



### Palette knife spatula stainless steel

L x W mm	Price €	Quantity scale from	Scale price €	Item no.	
200 x 21	7.05	10	6.30	5386-0010	N4
250 x 25	8.05	10	7.25	5386-0012	N4



## Spatula



Universal instrument for collecting, dividing and mixing pastes, creams etc.

- ▶ Blade made of stainless steel AISI 304 (1.4301)
- ▶ Wooden handle

### Spatula

Length mm	Price €	Quantity scale from	Scale price €	Item no.	
180	13.65	10	12.70	5313-0180	N4
300	22.05	10	19.95	5313-0300	N4

## Mini ViscoSampler | for small quantities



Sampler for viscous substances such as pastes, mud, creams, oils. The sample is drawn in using the pump rod and directly conveyed to a sampling container. Easy cleaning for flawless sampling. Depending on the viscosity, the removable suction tip can be fitted with suction drills of 2 mm to 6 mm.

- ▶ Stainless steel AISI 316L (1.4404), seals PTFE
- ▶ Sterilisable
- ▶ Ideal for the pharmaceutical and cosmetics industry
- ▶ Incl. suction tip 2 mm
- ▶ 15 mm Ø



### Mini ViscoSampler

Length cm	Chamber volume ml	Price €	Quantity scale from	Scale price €	Item no.	
60	30	266.10	5	238.40	5341-1060	N4
100	50	308.95	5	278.50	5341-1100	N4
150	75	377.75	5	344.65	5341-1150	N4

### Accessories

Description	Price €	Item no.	
Suction heads for Mini ViscoSampler, suction drill 2 mm	41.35	5341-1002	N4
Suction heads for Mini ViscoSampler, suction drill 4 mm	41.35	5341-1004	N4
Suction heads for Mini ViscoSampler, suction drill 6 mm	41.35	5341-1006	N4
Drain safety stand (see page 52)	49.30	5618-1000	N4

# ViscoSampler | sample collector for medium viscosity substances



ViscoSampler with powerful suction for viscous media. The media is drawn up and discharged using the suction flask. Made of ultra-pure, chemically inert PTFE/FEP for contamination-free sampling. Specially developed for viscous substances such as slurries, silt, wet clay and soil samples, soil sediments, oils, emulsions, creams etc.

**Easy cleaning** - all surfaces are poreless and without crevices. Dirt accumulation is prevented. Only round screw threads tried and tested in the field of food hygiene are used. Disassembly and cleaning are extremely simple.



## QualiSampler set

The handy set, which comes complete with carrying case, combines the LiquiSampler and the ViscoSampler with practical accessories.

Models in PP or PTFE/ FEP.

- ▶ QualiSampler set consisting of:
- ▶ LiquiSampler, 100 cm
- ▶ ViscoSampler, 100 cm
- ▶ Case, five bottles, cleaning brush

## QualiSampler set

Material	Price €	Item no.
PP	528.30	5330-1000 N4
PTFE / FEP	756.10	5330-1001 N4

## ViscoSampler

Material	Volume ml	Immersion depth cm	Dia. mm	Price €	Item no.
PP, transparent	160	60	32	234.95	5331-1060 N4
PP, transparent	300	100	32	277.45	5331-1100 N4
PP, transparent	650	200	32	411.85	5331-1200 N4
PTFE/FEP, transparent	160	60	32	321.15	5331-2060 N4
PTFE/FEP, transparent	300	100	32	364.60	5331-2100 N4
PTFE/FEP, transparent	650	200	32	515.50	5331-2200 N4

## Accessories

Description	Price €	Item no.
Cleaning brushes 25 mm dia., length 100 cm	41.50	5304-0100 N4
Drain safety stand (see page 52)	49.30	5618-1000 N4



## LiquiSampler | sample collector for liquids



LiquiSampler for liquids, according to DIN EN ISO 15528. Made of ultra pure and chemically inert PTFE/FEP or PP for contamination-free sampling.  
Sampling from open and closed containers, barrels, tanks, silos, water courses. Suitable for all commercially available barrels and containers with opening of at least 32 mm in diameter.

**Easy cleaning** - all surfaces are free of pores and crevices, preventing accumulation of dirt. Only round screw threads proven in foodstuffs hygiene are used. Disassembly and cleaning are extremely simple.

- ▶ Practical one-handed use at the push of a button
- ▶ With scraping ring for marking of depth and cleaning
- ▶ Transparent
- ▶ Available in PTFE/FEP or PP transparent
- ▶ Point sampling, all-layer sampling and bottom sampling possible

### Use

#### All-layer sample

1. Slowly insert the LiquiSampler into the liquid with the button pressed.
2. Release the push-button, the valve closes.
3. Withdraw the lance and take out the sample.

#### Point sampling/bottom sample

1. Insert the LiquiSampler to the targeted point/to the ground with closed valve.
2. Press the button - the liquid flows in.
3. Release the push-button, the valve closes.
4. Pull out the LiquiSampler, take out the sample.



LiquiSampler								
Material	Volume ml	Immersion depth cm	Dia. mm	Price €	Item no.			
PP, transparent	150	60	32	152.00	5330-1060	N4		
PP, transparent	250	100	32	202.35	5330-1100	N4		
PP, transparent	500	200	32	302.70	5330-1200	N4		
PTFE/FEP, transparent	150	60	32	239.40	5330-2060	N4		
PTFE/FEP, transparent	250	100	32	319.85	5330-2100	N4		
PTFE/FEP, transparent	500	200	32	441.50	5330-2200	N4		
Accessories								
Description				Price €	Item no.			
Cleaning brushes 25 mm dia., length 100 cm				41.50	5304-0100 N4			

## Dip Sampler, plunging siphon



Dip sampler for simple removal of liquid samples. Good view due to transparent tubes. Upper end with reflux valve, lower end with ball valve.

- ▶ PP, transparent
- ▶ Dip sampler, item no. 5315-0200, steplessly extendable from 100 cm to 200 cm
- ▶ All-layer and point sampling possible



### Use

#### All-layer sample

1. Insert the dip sampler slowly into the liquid with the valve open.
2. Close valve.
3. Pull the dip sampler back and take out the sample.

#### Point sampling/bottom sample

1. Insert the dip sampler to the targeted point/to the ground with closed valve.
2. Open the valve - the liquid flows in.
3. Close the valve.
4. Pull out the dip sampler, take out the sample.



### Dip Sampler, plunging siphon

Volume ml	Immersion depth cm	Tube Ø mm	Price €	Quantity scale from	Scale price €	Item no.	
140	50	25	42.55	5	38.70	5315-0050	N4
280	100	25	45.65	5	41.60	5315-0100	N4
500	100 - 200	25	54.85	5	49.30	5315-0200	N4

## Disposable plunging siphon



If strongly adhesive liquids are sampled, it can be a lot less expensive to dispose of the sampler than to carry out a complicated cleaning process.

The disposable dip sampler were developed especially for this purpose. They are made of PE, transparent and the contents are easily visible. PE provides a surface that resists adhesion of the sample material, minimising sample retention on the dip sampler.

### Use

1. Insert the dip sampler into the liquid and fill it.
2. Close the thumbhole above the handle using your thumb.
3. Take out the dip sampler and empty the liquid into the sample bottle.

### Disposable plunging siphon

Volume ml	Immersion depth cm	Total length cm	Tube Ø mm	Price €	Quantity scale from	Scale price €	Item no.	
75	35	50	27	9.35	12	8.60	5387-0050	N4
175	60	75	27	17.55	12	15.45	5387-0075	N4
275	85	100	27	24.25	12	22.05	5387-0100	N4

## PTFE Scoop



All parts coming into contact with the sample medium are made of pure white PTFE. Completely inert against all substances (with the exception of elementary fluoride). The rod is stabilised with a steel core which is completely encapsulated in PTFE. The 60 cm long rod can be extended to 120 cm by adding another component. The scoop PTFE with 10 ml has a strong rod with a length of 155 mm.

### PTFE Scoop

Capacity ml	Dia. mm	Height mm	Price €	Item no.	
10	25	34	57.90	5389-0010	N2
100	55	65	128.20	5389-0100	N2
250	70	95	144.00	5389-0250	N2
500	80	125	176.10	5389-0500	N2
1000	105	155	224.30	5389-1000	N2

### Accessories

Description	Price €	Item no.
Extension for PTFE scoop, 60 cm	101.20	5389-0001 N2

## Chemistry scoop



Scoop for aggressive liquids, complete with strong handle, entirely made of polypropylene.

- ▶ Rod length 100 cm, Ø 20 mm
- ▶ Without metal parts

### Chemistry scoop

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
250	56.75	10	51.25	5353-0250	N4
600	58.75	10	52.80	5353-0500	N4
1000	60.15	10	53.95	5353-1000	N4



## Stainless steel scoop



In contrast to conventional scoops, the stainless steel scoop has no openings, undercuts or crevices in which residues could collect. Pore-free finishing produced by high-quality laser welding seams. The stainless steel scoop can be flame-sterilised and can therefore be made completely germ-free.

- ▶ Scoop made of stainless steel AISI 304 (1.4301), complete with rod
- ▶ Sterilisable by flame sterilisation or steam sterilisation



### Stainless steel scoop

Total length cm	Capacity ml	Price €	Item no.	
115	1000	264.55	5354-1000	N4



# Liquid-Sampler | single hand operation



Sampler for thin to viscous liquids. Easy use with one-handed operation. With discharge funnel for safe filling of the sample bottles.



► Material AISI 316L (1.4404)



The valve is opened with the thumb to empty the sample.



The valve is opened by attaching the sample container to empty the sample.



## Liquid-Sampler, open with thumb

Total length cm	Container dia. mm	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
46	32	50	177.35	5	173.60	5326-0001	N4
54	32	100	195.55	5	188.00	5326-0002	N4



## Liquid-Sampler, place onto bottle

Container dia. mm	Total length cm	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
32	45.5	50	212.90	5	190.65	5326-0003	N4
32	53.5	100	238.80	5	215.45	5326-0004	N4



## TeleScoop | for industry and water treatment



TeleScoop is a versatile sampling system with exchangeable tools for a wide range of applications. The tools (angular beaker, pendulum beaker, bottle holder, stainless steel beaker and dip net) are attached to the telescopic rod by a practical snap-in joint.

Ideal for sampling from baths, tanks, shafts, open water courses etc. Sampling depths down to 6 m can be reached with the adjustable telescopic aluminium rod.

- For industry and water treatment



- ② **Angular beaker**  
The beaker is adaptable to different container shapes by adjustable angle setting (up to 90°).

- Polypropylene



- ③ **Pendulum beaker PP**  
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 150 mm).

- Polypropylene



- ④ **Pendulum beaker stainless steel**  
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 130 mm).

- Stainless steel AISI 304 (1.4301)

### ① Telescopic rod

Different tools can be attached to the telescopic rod (snap-in joint). The individual rods have been provided with an end stop. This means that one rod cannot accidentally slip out of another rod. The telescopic rods cannot be rotated radially, which means even better handling!

Telescopic rod 5355-0280, extremely short model – yet extendable up to 280 cm. Fits into every car boot!

- Increased telescopic rod rigidity by using cold-rolled profile rod
- Springs made of stainless steel



# TeleScoop | for industry and water treatment



## ⑤ Bottle holder

Holds all bottles up to 88 mm Ø. Plastic, glass or metal bottles can be securely filled in this way. Angle steplessly adjustable up to 90°.

- ▶ With universal quick tightening strap
- ▶ Polypropylene/PA



## ⑥ Stainless steel beaker

Beaker with scraper, contents 1000 ml. Ideal for powder, granules, pastes, mud.

- ▶ Sterilisable
- ▶ Stainless steel AISI 304 (1.4301)



## ⑦ Surface catch net

Catch net for taking solid and organic samples from water courses.

- ▶ PVC/PA blue
- ▶ L 310 x W 280 mm
- ▶ Mesh width 2–5 mm



## ⑧ Depth catch net

Catch net for taking solid and organic samples from water courses.

- ▶ PP/PA blue
- ▶ L 190 x W 430 mm
- ▶ Net depth 250 mm
- ▶ Mesh width 2–5 mm



①

## ① Telescopic rod

Length infinitely variable from	No. of rods	Price €	Quantity scale from	Scale price €	Item no.	
65-120 cm	2	24.05	10	21.90	5355-0120	N4
70-180 cm	4	40.75	10	37.65	5355-0180	N4
125-250 cm	2	30.80	10	28.70	5355-0250	N4
95-280 cm	4	48.10	10	43.50	5355-0280	N4
115-300 cm	3	48.10	10	43.50	5355-0300	N4
165-450 cm	3	67.15	10	60.15	5355-0450	N4
175-600 cm	4	82.40	10	76.40	5355-0600	N4

Model	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
② Scoop angular beaker	600	46.00	10	41.70	5354-0050	N4
② Scoop angular beaker	1000	46.95	10	42.15	5354-0100	N4
② Scoop angular beaker	2000	51.60	10	46.30	5354-0200	N4
③ Pendulum beaker PP	600	42.95	10	38.70	5354-5050	N4
③ Pendulum beaker PP	1000	45.05	10	40.35	5354-5100	N4
③ Pendulum beaker PP	2000	49.00	10	44.30	5354-5200	N4
④ Pendulum beaker AISI 304	1000	169.70	5	156.55	5354-3000	N4
⑤ Bottle holder	750	53.70	10	48.20	5354-4100	N4
⑥ Stainless steel beaker	1000	140.30	5	125.70	5354-2000	N4
⑦ Surface catch net		53.75	5	50.50	5354-5020	N4
⑧ Depth catch net		58.70	5	55.15	5354-5010	N4

## Sampler Liquid CupSampler



### Use

1. Place the collector at the desired depth.
2. Open the lid using the handle. The liquid flows in.
3. Close the filled collector and remove it.
4. Empty the sample into the sample bottle.

It is possible to carry out point sampling of liquids of varying viscosity with the stainless steel AISI 316L (1.4404) Liquid CupSampler. Media-containing particles can also be sampled without difficulty.

The sampler can be used in the fields of chemistry, foodstuffs and cosmetics.

The cup can be unscrewed from the stem, allowing easy cleaning.



## ChemoSampler | for acids, alkalis, detergents



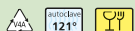
The ChemoSampler was developed for sampling aggressive liquids, e.g. acids, alkalis, detergents. The samples are drawn directly into the screw-on original sampling bottle. The tamper-proof bottle closure of these bottles with original safety ring ensures unadulterated sample transport. Samples can be taken from depths of as much as 200 cm, e.g. from tanks, silos or tankers, by using the extension rod.

- PP, grey
- Resistant to acids and alkalis
- Incl. sample bottle 1000 ml
- Extension rod 100 cm and two bottle sizes available as accessories.

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Sampler Liquid CupSampler

Capacity ml	Container dia. mm	Total length cm	Price €	Item no.	
100	55	100	735.75	5357-0001	N4



### ChemoSampler

Price €	Quantity scale from	Scale price €	Item no.	
74.15	5	64.95	5336-1000	N4

### Accessories

Description	Price €	Item no.	
Extension for ChemoSampler 100 cm	36.80	5336-0100	N4
Sampling bottle PE, 500 ml	2.64	0342-0500	N3
Sampling bottle PE, 1000 ml	2.71	0342-1000	N3

## Vampire Sampler | for sampling liquids in the field

The Vampire sampler can be used to take samples from liquids easily, even from deeper depths.

The portable sampling pump consists of a mains-independent drive unit, a pump head and a delivery hose. The medium being sampled is directed via the closed hose system directly into the sample container. The sample only comes in contact with the hoses and the sample bottle. This excludes the risk of impurities and contamination because the hoses are easy to clean and can also be replaced easily if necessary.

The self-priming peristaltic pump is also suitable for substances that are dirty or contain particles with a maximum viscosity of 500 mPas. The gently pumping does not change the sample.

Thanks to a suction depth of 5 meters, the battery-powered Vampire sampler easily pumps samples, even from sampling points at lower depths, for example from barrels, tanks, wells, water traps or wastewater and sewage treatment plants.

- ▶ Battery-powered hose pump for sampling liquids from depth
- ▶ Easy cleaning and exchangeable hoses prevent impurities
- ▶ Suction depth up to 5 metres
- ▶ Consisting of a drive unit, pump head, pump hoses (30 cm, Marprene/silicone), suction hose (5 m, PE), hose connector (PP), sample bottle (250 ml, LDPE), bottle basket, two rechargeable batteries and battery charger



### Vampire Sampler



Price €	Quantity scale from	Scale price €	Item no.
864.20	5	823.85	5327-1000 N2

### Accessories

Description	Price €	Item no.
Suction hose Marprene, 1 m	45.20	5327-0508 N2
Sampling bottle LDPE, 250 ml	1.81	0318-0250 N3
Sampling bottle LDPE 500 ml	2.97	0318-0500 N3
Sampling bottle LDPE 1000 ml	4.92	0318-1000 N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m	15.65	8805-0608 N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m	55.70	8878-0608 N3
Basket for sample bottles 500 ml, Ø 84 mm	52.25	5302-2051 N2
Basket for sample bottles 1000 ml, Ø 100 mm	71.85	5302-2101 N2

## MiniSampler | taking samples – comfortable, quick and clean sampling



With the vacuum sampler MiniSampler, the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are never contaminated. If necessary, a new hose can be used for every single sample.

Due to its small diameter (8 mm), the hose can reach narrow, seemingly inaccessible sampling areas.

### Two models:

PE MiniSampler for general sampling, max. suction height 5 m\*

PTFE MiniSampler for ultra-pure sampling, max. suction height 5 m\*

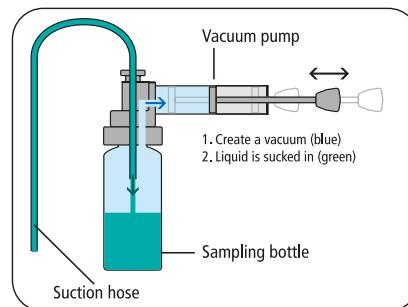
\* depending on the medium

- ▶ Also suitable for viscous oils
- ▶ Complete in a handy transport case

### Use

1. Insert the hose and the bottle into the pump.
2. Insert hose end to desired sample depth.
3. Move the pump piston back and forth and collect the sample.  
The liquid flows directly into the bottle.
4. Take off the filled bottle, close and label it.

Not for aggressive acids. Vapours could destroy pump.



## MiniSampler PE | for general sampling



Ideal for general sampling from barrels, canisters, tanks etc.  
MiniSampler PE complete with accessories in transport case, contents: Vacuum pump, 10 PE bottles, 100 ml, 10 m PE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

## MiniSampler PTFE | for ultrapure sampling



Ideal when maximum purity is needed.  
MiniSampler PTFE complete with accessories in its transport case, contents: Vacuum pump, 1 sample bottle PFA 180 ml, 5 m PTFE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

### MiniSampler PE



Price €	Quantity scale from	Scale price €	Item no.	
180.20	5	160.05	5305-0100	N4

#### Accessories

Description	Price €	Item no.	
MiniSampler pump with adapter PP	78.05	5305-0010	N4
MiniSampler standard pump	49.70	5305-0011	N4
PTFE MiniSampler adapter for glass thread GL 45	138.50	5305-0209	N4
MiniSampler adapter PTFE for sample tubes PFA 6205-0180	84.70	5305-1020	N2
Hose cutter	8.45	0006-9506	N3
Sampling bottle HDPE, 100 ml	1.75	0340-0100	N3
Sampling bottle HDPE, 250 ml	2.14	0340-0250	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m	15.65	8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m	55.70	8878-0608	N3

### MiniSampler PTFE



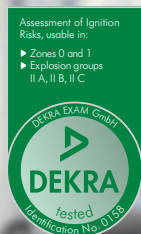
Price €	Quantity scale from	Scale price €	Item no.	
314.70	5	285.95	5305-0110	N4

#### Accessories

Description	Price €	Item no.	
MiniSampler pump with adapter PP	78.05	5305-0010	N4
MiniSampler standard pump	49.70	5305-0011	N4
PTFE MiniSampler adapter for glass thread GL 45	138.50	5305-0209	N4
MiniSampler adapter PTFE for sample tubes PFA 6205-0180	84.70	5305-1020	N2
Hose cutter	8.45	0006-9506	N3
Sample boxes PFA, 180 ml	79.60	6205-0180	N3
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m	44.10	8804-0608	N3



# ProfiSampler | vacuum-operated sample collector for robust industrial use



Profi Sampler aluminium



While the MiniSampler is designed for laboratory use, the ProfiSampler has been specially developed for rough industrial use.

## Applications

Sampling liquids in barrels, tanks, lorries, railway goods wagons, ships, water courses, ground water, etc.

Vacuum samplers have the advantage that the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are always authentic. If necessary, a new hose can be used for every single sample.

Due to its small diameter (8 mm), the hose can reach narrow, seemingly inaccessible sampling areas.

The ProfiSampler can be extended with useful accessories developed in practice.

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!

- ▶ Three feet guarantee that the ProfiSampler stands safely
- ▶ Fill level control, automatic return flow and overflow protection through built-in venting valve
- ▶ Available with suction hose in PE, PA and PTFE wherever the highest degree of purity is required
- ▶ Can be supplied with straight suction tubes for simpler sampling, incl. transport case for tidy transport and disposal of the suction tubes
- ▶ Suction volume 200 ml, suction pressure 0.5 bar
- ▶ Suction height from liquid surface 5 m WS
- ▶ Sample bottles available in different materials and sizes



# ProfiSampler | vacuum-operated sample collector for robust industrial use

## ① ProfiSampler Aluminium

ProfiSampler aluminium for solvents and flammable liquids in Explosion Categories IIA, IIB and IIC. With bottle thread GL 45 (suitable for Schott glass bottles 100 ml to 1000 ml).

When taking samples of flammable liquids, the device must be earthed. For this, earthing cable and, possibly in addition, anti-static set should be used, see accessories.

ProfiSampler aluminium, consisting of: Vacuum pump made of aluminium, with feet, venting valve and bottle thread GL 45 with glass bottle 500 ml, 5 suction tubes PA black, 220 cm long, electrically conductive, hose cutter, brass hose weight, 20 seal-it bottle seals, earthing cable.

## ② Profi Sampler PP



ProfiSampler PP for general samples, for weak acids, alkalis, detergents, chemical baths. Made of solid, chemical resistant Polypopylene.

ProfiSampler PP, consisting of: Vacuum pump, made of solid PP, with feet, venting valve and bottle thread GL 40, 1 PP bottle 250 ml, 10 m PE suction hose (roll), 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals.



③ **Straight suction tubes** (PE or PA) have the advantage that they are not slightly bent as is the standard tubing (from the roll) and can therefore be immersed absolutely vertically into the container. The suction tubes are available in transparent PE for general sampling and black PA for flammable liquids in VbF Hazard Category AI (electrically conducting). Diameter 6 x 8 mm. Contamination banned! In practice the low-priced tubes are only used once. They are then disposed of, instead of being subjected to a costly cleaning process. The tubes are not autoclavable.

④ **Transport case for straight suction tubes** for the practical transport of new suction tubes and the safe storage of used ones. Suitable for 100 suction tubes, 220 cm long.

① ProfiSampler Aluminium				
Price €	Quantity scale from	Scale price €	Item no.	
517.55	5	470.60	5305-1100	N4
Accessories				
Description	Price €	Item no.		
Glass sampling bottle 100 ml, GL 45	7.25	5314-0010	N3	
Glass sampling bottle 250 ml, GL 45	12.35	5314-0025	N3	
Glass sampling bottle 500 ml, GL 45	11.60	5314-0050	N3	
Glass sampling bottle 1000 ml, GL 45	13.65	5314-0100	N3	
③ Straight suction tube, PE transparent, 200 cm, 10 pieces	115.65	5305-1022	N4	
③ Straight suction tube, PA black, electrical conductive, 220 cm, 10 pieces	157.35	5305-1024	N4	
④ Transport case for straight suction tubes	133.10	5305-1029	N4	
Anti-static set	46.45	5602-1000	N4	
Suction hose PE on roll 6 x 8 mm, roll with 10 m	15.65	8805-0608	N3	
Suction hose PE on roll 6 x 8 mm, roll with 100 m	55.70	8878-0608	N3	
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m	44.10	8804-0608	N3	
② Profi Sampler PP				
Price €			Item no.	
400.10			5305-1000	N4
Accessories				
Description	Price €	Item no.		
③ Straight suction tube, PE transparent, 200 cm, 10 pieces	115.65	5305-1022	N4	
③ Straight suction tube, PA black, electrical conductive, 220 cm, 10 pieces	157.35	5305-1024	N4	
④ Transport case for straight suction tubes	133.10	5305-1029	N4	
Sampling bottle PP, 250 ml	2.05	0319-0250	N3	
Suction hose PE on roll 6 x 8 mm, roll with 10 m	15.65	8805-0608	N3	
Suction hose PE on roll 6 x 8 mm, roll with 100 m	55.70	8878-0608	N3	

## UniSampler with hose



UniSampler with PVC hose and hose weight made of stainless steel. For deep, hard-to-reach places. The mass of the metal tube drags the hose to any depth.

- ▶ Suction hose PVC, 2.50 m long
- ▶ Complete in a handy transport case incl. sample bottle PP 1000 ml, vacuum pump, universal bottle adapter, hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals
- ▶ Universal bottle adapter made of PVC, for bottle necks Ø 24 mm, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100–1000 ml

### Use

1. Lower the suction hose to the required depth.
2. Attach the adapter to the sampling bottle.
3. Create a vacuum using the handpump and collect the sample.
4. Remove the filled sample bottle, close and label it.

#### UniSampler with hose

Price €	Quantity scale from	Scale price €	Item no.	
181.95	5	162.55	5314-2000	N4

#### Accessories

Description	Price €	Item no.	
Suction hose for replacement PVC, 2,5 m	2.00	5314-2002	N4
Sampling bottle PP, 100 ml	1.48	0319-0100	N3
Sampling bottle PP, 250 ml	2.05	0319-0250	N3
Sampling bottle PP, 500 ml	3.35	0319-0500	N3
Sampling bottle PP, 1000 ml	5.55	0319-1000	N3

## UniSampler "Ex"



Sampler especially developed for sampling flammable liquids of Hazard Category AI (VbF, e.g. fuel). Glass bottle and hose are connected in such a way that they conduct electricity and are earthed via an earthing cable.

- ▶ Complete in a handy transport case incl. 4 m hose (NBR), glass bottle 1000 ml, bottle adapter, bottle stand, vacuum pump, earthing cable and hose-weight made of brass
- ▶ PTB approval D-333-009 618/00

### Use

1. Earth the device.
2. Lower the suction hose to the required depth.
3. Attach the adapter to the sampling bottle.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sample bottle, close and label it.



The UniSampler "Ex" was developed in co-operation with the quality association Tankschutz e.V. (non-profit association for tank protection).

#### UniSampler "Ex"

Price €	Quantity scale from	Scale price €	Item no.	
335.10	5	317.15	5314-3000	N4

#### Accessories

Description	Price €	Item no.	
Glass sampling bottle 1000 ml, GL 45	13.65	5314-0100	N3

## UniSampler with suction lance



### Use

1. Set the desired sampling depth by moving the suction lance.
2. Attach the adapter to the sampling bottle.
3. Lower the suction lance into the medium.
4. Create a vacuum using the hand-pump and collect the sample.
5. Remove the filled sample bottle, close and label it.

The collection lance consists of an inner tube and an outer tube. The suction position can be varied steplessly with the outer tube within a height of 0 to 48 cm. The total length of the telescopic suction tube is 100 cm.

- Suction tube PP, suction hose PVC
- Incl. 5 sample bottles each PP 250 ml and 500 ml, vacuum pump, universal adapter for sample bottles, 20 seal-it bottle seals
- Universal bottle adapter made of PVC, for bottle necks Ø 24 mm, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100–1000 ml

### UniSampler with suction lance

Price €	Quantity scale from	Scale price €	Item no.	
219.25	5	195.00	5314-1000	N4

#### Accessories

Description	Price €	Item no.	
Sampling bottle PP, 100 ml	1.48	0319-0100	N3
Sampling bottle PP, 250 ml	2.05	0319-0250	N3
Sampling bottle PP, 500 ml	3.35	0319-0500	N3
Sampling bottle PP, 1000 ml	5.55	0319-1000	N3

## Bürkle - Behind the scenes

There are many ways for ordering at Bürkle - but all roads lead to the Sales department.



[www.buerkle.de](http://www.buerkle.de)

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## Dipping bottles



Dipping containers are used in various areas to collect liquids for sampling. Bürkle produces the most comprehensive collection of dipping containers by a long way, the right product for every use as it were. Bürkle offers dipping bottles and immersion cylinders for sediments, for the area of environmental issues, for chemically aggressive products, for petrochemistry, for the ex protection area etc. The dipping bottles for the Ex protection area are made of nickel-plated brass, therefore they do not oxidise. Dipping vessels can be used for point sampling, all-layer samples and bottom sampling.

Dipping vessels are heavy. Lowering requires the use of special manually-operated drum reels with a large winding diameter. Other manually-operated drum reels place too much strain on the user's wrist and could represent a health hazard. Lowering cables and chains made from different materials, as well as manually-operated drum reels, also for Ex-proof applications, available as accessories.

**!** Observe Ex-proof guidelines when sampling flammable liquids. Only use conductive lowering cables made of nonspark-producing material and conductive hand reels with grounding connection.

## Dipping bottle

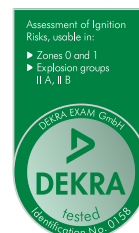
Dipping bottle with glass container for sampling in sewage plants, for mud and water samples. For testing crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants of Hazard Categories IIA and IIB. Completely made from non-spark producing materials. Dipping frame made of nickel-plated brass, easy-click closure made of electrically conductive polyamide.

- ▶ With Easy-Click, safe and practical closure for a rapid bottle exchange
- ▶ High weight (3.2 kg) for fast lowering
- ▶ Bottle made of transparent glass 1000 ml contents
- ▶ Height with handles 330 mm
- ▶ Tested for use in the Ex protection zone 0

**!** Please order the required lowering cable separately (page 114).

### Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/ cable.
5. Open the Easy-Click closure, remove the bottle.



Dipping bottle			
Capacity ml	Dia. mm	Price €	Item no.
1000	148	447.55	5365-4000 N4

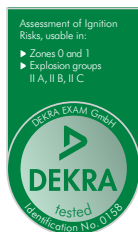


## Dipping bottle Ex

Dipping bottle for testing mineral oil products Category A, Explosion Categories IIA, IIB and IIC, crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants. Completely made from non-spark producing materials, nickel-plated

- ▶ Screw-off bottle head - easy cleaning
- ▶ Robust handle
- ▶ High weight (3.3 kg) for fast lowering
- ▶ Height with handles 443 mm
- ▶ Tested for use in the Ex protection zone 0

⚠ Please order the required lowering cable separately (page 114).



### Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/cable.
5. Empty the bottle.



### Dipping bottle Ex

Capacity ml	Dia. mm	Price €	Item no.	
1000	89	457.10	5365-3000	N4



## Immersion cylinder

Immersion cylinder for sampling crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants in Explosion Categories IIA, IIB and IIC. Completely made from non-spark producing materials, nickel-plated.

- ▶ Screw-off top enables easy cleaning
- ▶ High weight for fast lowering
- ▶ Robust handle
- ▶ Tested for use in the Ex protection zone 0



⚠ Please order the required lowering cable separately (page 114).

### Use

#### Point sampling

1. Two lowering cables are required for this (bearer cable and hauling cable).
2. Lower the immersion cylinder to the required depth.
3. When the target has been reached, pull on the hauling cable, the valve opens.
4. The sample flows into the bottle.
5. Release the hauling cable. The valve closes. Pull the cylinder back on the bearer cable.
6. Empty the cylinder via the valve at the bottom.

#### Bottom sampling

1. Lower the immersion cylinder on the cable to the ground.
2. The valve opens automatically because of the immersion cylinder's own weight.
3. The sample flows into the cylinder.
4. Pull the cylinder back on the cable, the valve closes independently.
5. Empty the cylinder via the valve at the bottom.



### Immersion cylinder

Capacity ml	Dia. mm	Height mm	Weight g	Price €	Item no.
500	75	300	3000	549.00	5365-7500 N4
1000	75	450	4300	571.50	5365-7000 N4

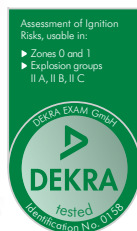


## Dipping vessel

Dipping vessel for taking all-layer samples from tanks, tank wagons, water courses, water purification plants.

- ▶ With Easy-Flow, the flow optimised flow valve
- ▶ High weight for faster lowering
- ▶ Contents 1000 ml
- ▶ Height with handles 427 mm
- ▶ Made of non-spark producing brass or stainless steel AISI 304 (1.4301) for Ex area
- ▶ Tested for use in the Ex protection zone 0, Explosion Categories IIA, IIB and IIC

⚠ Please order the required lowering cable separately (page 114).



### Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. Emptying at the top via the open flaps.

### Dipping vessel

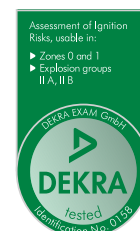
Material	Dia. mm	Weight g	Price €	Item no.	N4
brass	82	2300	497.40	5365-1000	N4
stainless steel AISI 304	82	2000	978.40	5365-2000	N4

## Mini immersion cylinder

For sampling liquids in narrow places where access is difficult. Can also be used in curved dipping tubes and barrels with narrow openings.

- ▶ Diameter only 32 mm
- ▶ Weight 330 g
- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Screw-off top enables easy cleaning
- ▶ Tested for use in the Ex protection zone 0, Explosion Categories IIA and IIB

⚠ Please order the required lowering cable separately (page 114).



### Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. It can be emptied via the base valve or the upper screw-off cap.

### Mini immersion cylinder

Capacity ml	Dia. mm	Height mm	Price €	Item no.	N4
50	32	180	274.25	5365-5000	N4



## Target immersion cylinder



Precise liquid samples can be taken with the Target immersion cylinder.

- Weight 2.6 kg
- Incl. venting lowering cable (5 m), valve and cable reel
- Screw-off top enables easy cleaning

### Use

1. Lower the immersion cylinder to the required depth on the high-tensile, closed hose.
2. When the target has been reached, open the air valve at the tube end.
3. This vents the immersion cylinder and fills it.
4. Retrieve the immersion cylinder.
5. Open the cover and pour out the sample.

Target immersion cylinder					
Capacity ml	Dia. mm	Height mm	Price €	Item no.	
500	75	210	396.90	5365-6000	N4

## AquaSampler



Sampler for ground water samples from wells, pits and other sources. Fits all normal well shafts with control openings to Ø 2", without tilting or getting stuck. Ultra pure materials guarantee the highest degree of sample purity. Easy to clean thanks to rounded edges and threads.

- FEP/PTFE ultra pure, anti adhesive surface



Please order the required lowering cable separately (page 114).

AquaSampler						
Capacity ml	Total length cm	Outer dia. mm	Price €	Quantity scale from	Scale price €	Item no.
350	40	46	296.20	5	256.65	5308-0350 N4
700	76	46	334.95	5	311.75	5308-0700 N4
1050	107	46	387.10	5	342.80	5308-1050 N4

## Manually-operated reels



Manually-operated drum reel PP



Manually-operated drum reel PA electrically-conductive



Manually-operated reel Ex with grounding cable

The manually-operated drum reels are used to lower dipping bottles and immersion cylinders safely to the required depth in shafts, wells and tanks and then to pull them up again. The manually-operated drum reels can be equipped with various cables or chains. If flammable or highly flammable liquids are to be collected, then electrically conductive manually-operated drum reels must be used together with an earthing cable. The dipping bottles must be made of non-sparking metal.

- High winding capacity of up to 150 m for cable 2 mm dia.
- Reel width: inner 44 mm, outer 55 mm, reel diameter: inner 100 mm, outer 180 mm

**!** Please order the required lowering cable separately.



Manually-operated reel			
Model	Price €	Item no.	
① Manually-operated reel PP	78.05	5309-0010	N4
② Manually-operated reel PA	133.10	5309-0020	N4
③ Manually-operated reel Ex with grounding cable	208.55	5309-0030	N4

## Lowering cables



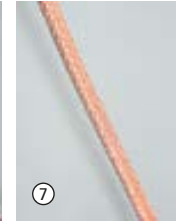
Stainless steel lowering cable, PTFE-coated 304



Lowering cable AISI



Lowering cable plastic



Copper lowering cable EX with loops

### Lowering cables

For dipping bottles and immersion cylinders, matching manually-operated drum reels made of various materials. Tensile load max. up to 10 kg.



Lowering/ hoisting chain stainless steel



Snap-hook AISI 316L



Brass shackle

Lowering cables					
Model	Length m	Dia. mm	Price €	Item no.	
④ Stainless steel lowering cable, PTFE-coated	10	2	41.45	5309-0110	N4
④ Stainless steel lowering cable, PTFE-coated	25	2	98.45	5309-0125	N4
④ Stainless steel lowering cable, PTFE-coated	50	2	190.65	5309-0150	N4
⑤ Stainless steel lowering cable	10	1.25	28.25	5309-0301	N4
⑤ Stainless steel lowering cable	25	1.25	59.20	5309-0302	N4
⑤ Stainless steel lowering cable	50	1.25	109.00	5309-0305	N4
⑥ Lowering cable made of PP cord	10	2	11.05	5309-0201	N4
⑥ Lowering cable made of PP cord	25	2	25.15	5309-0202	N4
⑥ Lowering cable made of PP cord	50	2	48.40	5309-0205	N4
⑦ Copper lowering cable EX with loops	10	4.5	97.05	5309-0410	N4
⑦ Copper lowering cable EX with loops	25	4.5	215.10	5309-0425	N4
⑦ Copper lowering cable EX with loops	50	4.5	416.60	5309-0450	N4
⑧ Stainless steel chains	10	2.3	103.75	5309-0510	N4
⑧ Stainless steel chains	25	2.3	246.10	5309-0525	N4
⑧ Stainless steel chains	100	2.3	431.65	5309-0550	N4
⑨ Snap hooks AISI 316L		5	7.90	0006-5300	N4
⑩ Brass shackle		4.5	11.15	0006-5301	N4

# DispoSampler – disposable samplers | for the highest standards in sampling



Bürkle disposable samplers – DispoSampler – are used to take samples of liquids, viscous media, powders and granulates. Target point samples can be taken, all-layer and cross-section samples, as well as small and large sample quantities.

Unlike conventional reusable samplers, disposable samplers do not need to be cleaned after use.



- ▶ Cleaning reusable samplers is a demanding and often complicated task, with greasy, strongly adhesive or toxic substances. Sometimes the task is even impossible
- ▶ Work processes do not have to be interrupted by cleaning
- ▶ Cross contamination is completely eliminated
- ▶ The cleaning method does not need to be validated in audits
- ▶ Time and money are saved



## Bürkle DispoSampler LaboPlast® and SteriPlast®

**LaboPlast**

**SteriPlast**



- ▶ Individually packaged
- ▶ Production, assembly and packaging in class 7 clean room (10,000)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Optionally sterilised by gamma rays



### Time is money – Compare the costs:

- Bring to cleaning area
- Remove sampler
- Cleaning agent
- Work time
- Autoclaving in some cases
- Drying
- Mount sampler
- Packaging if required
- Transport and storage

Due to the effort involved in cleaning and the costs associated with it, it is often more economical to use a Bürkle disposable sampler.

## LiquiDispo



The LiquiDispo disposable sampler can be used to take samples of liquids from highly liquid to slightly viscous. An ergonomic handle makes it easier to draw the sample: up to 200 ml can be drawn, as with a syringe.

- ▶ Ergonomic handle
- ▶ No seals
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Opening diameter 2.5 mm
- ▶ Ø 21 mm



LiquiDispo							
Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
500	100	standard	20	112.85	10	107.15	5393-1120 N4
500	100	sterilised	20	133.35	10	126.70	5393-1121 N4
1000	200	standard	20	138.50	10	131.55	5393-1130 N4
1000	200	sterilised	20	175.20	10	166.45	5393-1131 N4

## DispoPipette



Simple disposable sampler for taking samples of low viscosity media. If the DispoPipette is inserted into the liquid opened, an all-layer sample is obtained. If it is closed while it is inserted up to the sampling point and then opened, a target-point sample is obtained. Very easy to operate. With two opening sizes (2,5/5,5 mm) for different viscosities.

- ▶ All-layer and target point samples possible
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 21 mm



DispoPipette							
Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
500	100	standard	20	74.35	10	70.60	5393-5500 N4
500	100	sterilised	20	88.90	10	84.40	5393-5501 N4
1000	200	standard	20	87.20	10	82.80	5393-5531 N4
1000	200	sterilised	20	109.80	10	104.35	5393-5532 N4

## DispoTube



The ergonomic handle of the DispoTube makes it easier to work and facilitates a good grip even under difficult conditions, for example with gloves. Disposable sampler for taking samples of liquids.

- ▶ Ergonomic handle
- ▶ All-layer and target point samples possible
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Opening diameter 5.5 mm
- ▶ Ø 21 mm



DispoTube									
Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
500	100	standard	20	84.65	10	80.35	5393-6620	N4	
500	100	sterilised	20	99.40	10	94.40	5393-6621	N4	
1000	200	standard	20	102.55	10	97.45	5393-6630	N4	
1000	200	sterilised	20	122.05	10	115.90	5393-6631	N4	


## DispoLadle



DispoLadle is a sampling scoop specially designed for disposable use. The scaled scoop with embossing can be used for measuring. It shows contents in increments of 10 ml, up to 200 ml. An ergonomic handle and a spout on both sides for right or left-hand operation make handling simple and easy.

- ▶ 200 ml scoop
- ▶ External Ø 92 mm
- ▶ Ergonomic handle
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays



DispoLadle								
Length mm	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
500	standard	20	86.35	10	82.05	5393-6640	N4	
500	sterilised	20	112.60	10	106.90	5393-6641	N4	
1000	standard	20	105.55	10	100.25	5393-6650	N4	
1000	sterilised	20	150.05	10	142.50	5393-6651	N4	

## ViscoDispo



The ViscoDispo disposable sampler can be used to take samples of high-viscosity media up to 100.000 mPas. The ergonomically shaped handle and the very stable drawbar make it easy to draw even viscous substances.

- ▶ Ergonomic handle
- ▶ No seals
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Opening diameter 10 mm
- ▶ Ø 21 mm



### ViscoDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20	112.85	10	107.15	5393-3320	N4
500	100	sterilised	20	133.35	10	126.70	5393-3321	N4
1000	200	standard	20	138.50	10	131.55	5393-3330	N4
1000	200	sterilised	20	175.20	10	166.45	5393-3331	N4

## PowderDispo



PowderDispo is the ideal disposable sampler for cross-section samples of powdery or slightly cohesive substances. A complete all-layer sample can be taken from bags or smaller containers with the lance.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 21 mm

### PowderDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	60	standard	20	94.90	10	90.20	5393-5510	N4
300	60	sterilised	20	109.80	10	104.40	5393-5511	N4
500	100	standard	20	110.30	10	104.70	5393-5522	N4
500	100	sterilised	20	122.85	10	116.80	5393-5521	N4



## DispoPicker



Disposable sampler for powders and small-grain bulk materials. Because the tip is closed, the sample material cannot trickle back out of the sample lance. DispoPicker is ideally suited for cross-section samples.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 21 mm

### DispoPicker

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	60	standard	20	84.65	10	80.35	5393-5540	N4
300	60	sterilised	20	99.40	10	94.40	5393-5541	N4
500	100	standard	20	97.45	10	92.60	5393-5550	N4
500	100	sterilised	20	112.50	10	106.75	5393-5551	N4



## DispoLance



The DispoLance disposable sampler can be used for taking large and small sample quantities quickly and easily, directly from bags. The sampler is suitable for free-flowing powders and small-grain granulates. The DispoLance sampler pierces into the container with the sturdy tip and the sample flows through the open inner tube directly into the container or bag that is held underneath.

- ▶ Variable sample quantity
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Nominal width 14 mm
- ▶ Ø 21 mm

### DispoLance

Length mm	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	standard	20	87.20	10	82.80	5393-5560	N4
300	sterilised	20	102.00	10	96.90	5393-5561	N4
500	standard	20	105.10	10	99.90	5393-5570	N4
500	sterilised	20	120.25	10	114.30	5393-5571	N4



### Accessories

#### Description

Sampling bag SteriBag see page 122

## MicroDispo



Quite small sample quantities (10 ml) can be taken with MicroDispo. Especially in pharmaceutical applications it often happens that only a small quantity can or should be extracted for analysis. Using the disposable sampler, precise target point samples can be taken of free-flowing powders and small-grain bulk materials.

- ▶ Ergonomic handle
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 21 mm



### MicroDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	10	standard	20	125.25	10	118.90	5393-2240	N4
500	10	sterilised	20	148.05	10	140.65	5393-2241	N4
1000	10	standard	20	153.75	10	146.05	5393-2250	N4
1000	10	sterilised	20	194.80	10	184.75	5393-2251	N4

## MultiDispo



Disposable zone samplers for taking samples from multiple layers of the sample material. Suitable for free-flowing powders and small-grain granulates. The representative all-layer sample can be emptied directly through the open handle into a sample container.

- ▶ Easy emptying through the opening in the handle (Ø 14 mm)
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 25 mm / Ø tip 30 mm



### MultiDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20	184.35	10	175.15	5393-4440	N4
500	100	sterilised	20	208.55	10	198.05	5393-4441	N4
1000	200	standard	20	224.10	10	212.85	5393-4450	N4
1000	200	sterilised	20	249.50	10	237.05	5393-4451	N4

## TargetDispo



TargetDispo is used to take a target point sample at a position in the sample material that has previously been precisely determined. The sampler pierces into the powder or granulate while closed. When it reaches the sample removal point it is opened and then closed again. In this way a precise target-point sample is obtained. The sample can simply be emptied through the open handle.

- ▶ Easy emptying through the opening in the handle (Ø 14 mm)
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 25 mm / Ø tip 30 mm



TargetDispo								
Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20	160.10	10	152.05	5393-4460	N4
500	100	sterilised	20	179.65	10	170.70	5393-4461	N4
1000	200	standard	20	193.90	10	184.25	5393-4470	N4
1000	200	sterilised	20	217.55	10	206.65	5393-4471	N4

## ZoneDispo



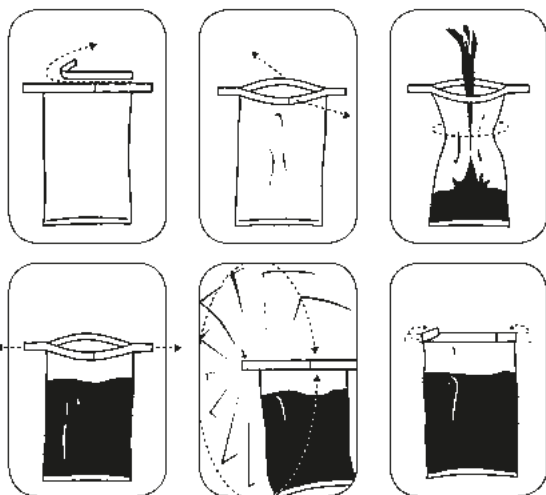
The ZoneDispo disposable all-layer sampler is used in sampling to collect a representative all-layer sample from three different layers. Suitable for free-flowing powders and small-grain granulates. The collected sample can be secured and transported in the closed sampler.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilised by gamma rays
- ▶ Ø 25 mm / Ø tip 30 mm



ZoneDispo								
Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20	167.50	10	159.20	5393-4420	N4
500	100	sterilised	20	189.60	10	180.05	5393-4421	N4
1000	200	standard	20	197.70	10	187.80	5393-4430	N4
1000	200	sterilised	20	226.60	10	215.30	5393-4431	N4

## Sampling bag SteriBag | the sterilised packaging bag



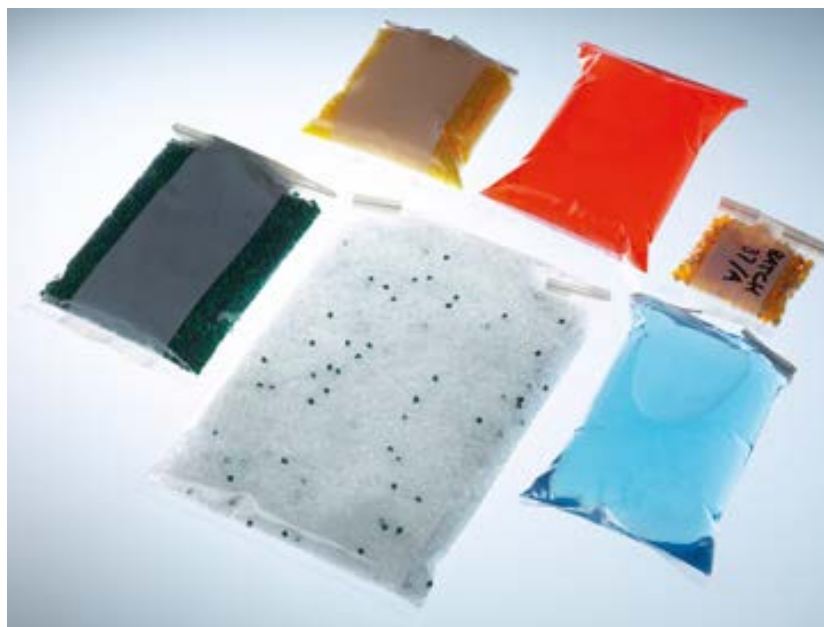
The sterile sampling bag SteriBag for samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs etc.

The bags are made of polyethylene and are therefore exceptionally tearproof and leakproof.

The SteriBag sampling bag is distinguished by its safe handling. When used according to instructions, samples are guaranteed sterile.

Integrated safety: The tab-ends are sealed in plastic film to prevent skin injuries.

- ▶ Sterile, RNase, DNase and pyrogen-free
- ▶ Can be labelled
- ▶ Leakproof
- ▶ Save space
- ▶ Transparent
- ▶ With practical closure to tear-open
- ▶ Proven millions of times



Sampling bag SteriBag

Capacity ml	Model	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
60	without labelling area	127 x 76	500	122.50	6	115.95	5344-0060	N3
60	with labelling area	127 x 76	500	133.10	6	126.50	5344-0061	N3
150	without labelling area	178 x 76	500	126.50	6	118.55	5344-0180	N3
150	with labelling area	178 x 76	500	137.10	6	130.45	5344-0181	N3
450	without labelling area	229 x 114	500	148.80	6	142.30	5344-0540	N3
450	with labelling area	229 x 114	500	158.05	6	148.80	5344-0541	N3
650	without labelling area	229 x 140	500	166.00	6	156.70	5344-0720	N3
650	with labelling area	229 x 140	500	189.65	6	181.80	5344-0721	N3
800	without labelling area	305 x 114	500	172.60	6	164.65	5344-0810	N3
800	with labelling area	305 x 114	500	183.05	6	173.95	5344-0811	N3
1650	without labelling area	305 x 178	250	131.75	12	126.50	5344-1650	N3
1650	with labelling area	305 x 178	250	148.80	12	137.10	5344-1651	N3

## SteriBag StandUp sample bag



SteriBag StandUp is a sterile sample bag with a stand-up base. The special bottom unfolds as soon as the bag is filled. This makes SteriBag StandUp stable and able to stand on its own without a separate stand or support, leaving both your hands free to take the sample and fill the bag. The wire bracket at the closure keeps the bag open, making it easy and convenient to fill.

The sample bag is the ideal space-saving, unbreakable, inexpensive and sterile replacement for bottles and beakers.

Can be used for samples available as liquids, powders, solids and pastes; suitable for foods and can be frozen.

The stable standing SteriBag StandUp sample bag is easy and safe to transport.

SteriBag StandUp, the sample bag for easy handling of samples.

- ▶ Stands stably
- ▶ Protected against discharge
- ▶ Sterile, RNase, DNase and pyrogen-free
- ▶ With labelling field

### SteriBag StandUp sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
400	229 x 114	500	195.20	5	185.35	5344-0400	N3
600	229 x 152	500	204.00	5	193.75	5344-0600	N3

## Sampling bag SteriBag Blue



The sterile sampling bag SteriBag Blue is especially well suited for use in the food, animal feed and pharmaceutical industries. To prevent the danger of foreign matter in production, the sample bags and the tear-off closure are coloured blue. This shade of blue does not occur in a natural form in foodstuffs. Because of this it is highly visible and can be reliably discovered in a visual check if a bag or parts of it are ever mixed into production.

The disposable sample bag is approved for contact with foods. It is suitable for storing and transporting solid, semi-solid and liquid media.

Thanks to the large opening, the SteriBag Blue can be filled easily. The sample bag with labelling field is space-saving, easy to transport and leak-proof.

- ▶ PE, blue
- ▶ Liquid-tight
- ▶ With labelling field
- ▶ Sterile, RNase, DNase and pyrogen-free

### Sampling bag SteriBag Blue

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
650	229 x 140	500	204.80	6	192.55	5344-7008	N3
1650	305 x 178	250	148.80	12	137.10	5344-7012	N3

## Sampling bag SteriBag Cleanroom



The sampling bag SteriBag Cleanroom with double packaging can be placed directly in the clean room. 25 sample bags are placed in double secondary packaging. They can be removed one after the other and are therefore ideally suited for introducing into the clean room. Then the sterile bags can be used directly in the clean room. SteriBag Cleanroom is sterile inside and outside. This guarantees contamination-free storage and transport of solid, semi-solid and liquid media. The sample bag is perfect for use in chemical and pharmaceutical applications.

The disposable sample bag has a labelling field, saves space and is also easy to transport. The large bag opening makes it easy to pour in the sample.

- ▶ Sterile, with double packaging
- ▶ RNase, DNase and pyrogen-free
- ▶ PE, transparent
- ▶ Liquid-tight
- ▶ With labelling field

### Sampling bag SteriBag Cleanroom

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
800	305 x 114	500	331.20	6	311.30	5344-8010	N3
1650	305 x 178	250	205.35	12	193.10	5344-8012	N3

## SteriBag Premium tamper-proof sample bag



The SteriBag Premium sample bags uniquely combine a high degree of security, sterility, tamper evident closure and traceability, they are used to securely transport and for the storage of samples.

After sampling, the sample can be filled directly into the sterile sample bag. The tamper-evident closure seals the bag liquid-tight and secure. When trying to open the closure again, the word "STOP" appears clearly visible. Both the sample bag and the tear-off field are labeled with a unique tracking number, this allows a complete documentation and traceability.

SteriBag Premium is suitable for many demanding applications in the food, pharmaceutical, medical area as well as in cleanroom or biotechnology sectors.

- ▶ Sterilised by gamma rays (SAL 10<sup>-6</sup>)
- ▶ With integrated tamper-proof closure for manipulation evidence
- ▶ Unique identification via tracking number
- ▶ Suitable for the use with foodstuffs

### SteriBag Premium tamper-proof sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	200x145	100	149.20	10	138.70	5344-8000	N4



## SteriPlast® Kit – sterile sampling set



The sampling set SteriPlast® Kit consists of ten sample spatulas or ten sample scoops and ten SteriBag Premium tamper-proof sample bags. Thus the SteriPlast® Kit is the ideal combination for sampling where purity and sterility is essential. All parts are sterilised by gamma rays and suitable for use with foodstuffs. The scoops or spatulas are clean room manufactured and individually packed. The sample bag SteriBag Premium has an integrated sealing and is liquid-tight. A unique tracking code on both the bag and the tear-off field guarantees complete documentation and traceability. SteriPlast® Kit including scoop 50 ml or spatula 150 mm insertion depth, and SteriBag Premium 300 ml.

- Scoop 50 ml & bag SteriBag Premium 300 ml
- Spatula 150 mm insertion depth & bag SteriBag Premium 300 ml

SteriPlast® Kit – sterile sampling set						
Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Scoop & bag	10	29.70	10	27.40	5378-8003	N4
Spatula & bag	10	27.80	10	25.35	5378-8009	N4

## SteriPlast® syringe



The syringe is used to take sterile samples and store them. The sample amount can be read off from the printed contents graduation. The syringe is supplied in a sterile package and is ready for immediate use. The syringe can be extended to any length with additional tubing. A Luer adapter is supplied for the 100 ml syringe.

- PP, transparent
- Contents graduation
- Sterilised, packed separately

**\* Bulk prices**

SteriPlast® syringe						
Capacity ml	Pieces per pack	Division ml	Price €	Quantity scale from	Scale price €	Item no.
50	10	1	18.65	6	16.85	5325-0060 N4
100	10	2	55.55	5	47.30	5325-0100 N4

## SteriPlast® and LaboPlast®

### b SteriPlast



Bürkle **SteriPlast®** products are high-quality, ergonomically shaped disposable products that are specially designed and optimised for sampling purposes. They are produced, assembled and individually packed in Bürkle's own clean room and then sterilised by rays.

**The SteriPlast® products thus meet all the requirements for absolutely sterile sampling with first class certification.**

### b LaboPlast

LaboPlast® is the Bürkle brand for high-quality plastic products that have been specially designed and developed to optimally meet the demanding and in part special requirements in laboratories, industry and science.

Here LaboPlast® stands for the best quality, excellent craftsmanship and outstanding material properties.

**Test the products and get to know and appreciate our LaboPlast® product lines!**

## LaboPlast® scoop, disposable



The LaboPlast® disposable scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000) and individually packaged for disposable use.

The disposable scoop is ideal for powders, granulates and pastes.

The scoop with transparent cover can be closed immediately after sampling and the exclusion of contamination can therefore be safeguarded.

- PS, white
- Individually packaged
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations



### LaboPlast® scoop, disposable

Capacity ml	Model	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	without cover	141	10	14.65	10	13.45	5378-0001	N4
25	with cover	142	10	22.90	10	21.05	5378-0002	N4
50	without cover	160	10	15.15	10	13.85	5378-0003	N4
50	with cover	161	10	23.60	10	21.70	5378-0004	N4
100	without cover	205	10	15.65	10	14.40	5378-0005	N4
100	with cover	206	10	24.25	10	22.30	5378-0006	N4
150	without cover	216	10	16.00	10	14.80	5378-0007	N4
150	with cover	218	10	24.75	10	22.75	5378-0008	N4
250	without cover	232	10	19.55	10	18.00	5378-0013	N4
250	with cover	235	10	33.20	10	30.60	5378-0014	N4
500	without cover	280	10	34.65	10	31.85	5378-0015	N4
500	with cover	283	10	58.85	10	54.15	5378-0016	N4
1000	without cover	332	10	45.25	10	41.65	5378-0019	N4

## SteriPlast® sample scoop

The SteriPlast® sample scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000), individually packaged for disposable use and then sterilised by gamma rays. The sample scoop is ideal for powders, granulates and pastes.

The scoop with transparent cover can be closed immediately after sampling and the sterility and exclusion of contamination can therefore be safeguarded.

- ▶ PS, white
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



Ergonomics were particularly important to us for the design of the sample scoop. The scoop stands horizontally due to the special handle design and the slightly angled front edge and can therefore be put down without the sample material trickling out.

### SteriPlast® sample scoop

Capacity ml	Model	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	without cover	141	10	16.20	10	14.95	5378-1001	N4
25	with cover	142	10	24.65	10	22.70	5378-1002	N4
50	without cover	160	10	16.80	10	15.40	5378-1003	N4
50	with cover	161	10	25.35	10	23.40	5378-1004	N4
100	without cover	205	10	17.35	10	15.95	5378-1005	N4
100	with cover	206	10	26.10	10	24.05	5378-1006	N4
150	without cover	216	10	17.75	10	16.30	5378-1007	N4
150	with cover	218	10	26.70	10	24.60	5378-1008	N4
250	without cover	232	10	21.70	10	19.95	5378-1013	N4
250	with cover	235	10	36.90	10	33.90	5378-1014	N4
500	without cover	280	10	38.35	10	35.30	5378-1015	N4
500	with cover	283	10	65.20	10	59.95	5378-1016	N4
1000	without cover	332	10	59.60	10	54.80	5378-1019	N4

## Sample spatula white, disposable



The disposable spatula made of polystyrene is produced and assembled in our clean room of class 7 (10,000) and individually packaged for disposable use.

As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The disposable spatula is ideal for sampling powders, granulates and pastes.

The spatula with transparent sealing sleeve can be closed again immediately after sampling and the exclusion of contamination can be safeguarded for the sample taken.

- ▶ PS, white
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### LaboPlast® spatula, disposable

- ▶ Individually packaged

### SteriPlast® sample spatula

- ▶ Individually packaged and sterilised by gamma rays



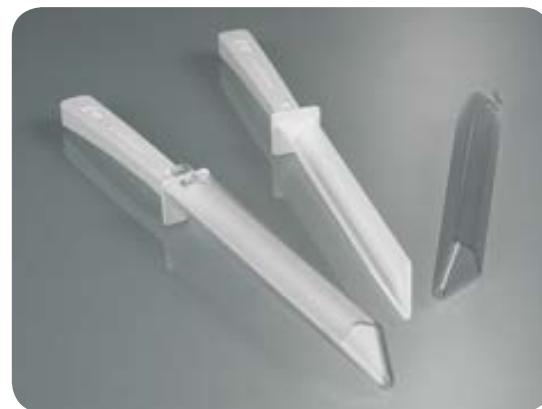
### LaboPlast® spatula, disposable

Model	Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
without sleeve	263	150	10	13.20	10	11.80	5378-0009	N4
with sleeve	268	150	10	20.40	10	18.35	5378-0010	N4



### SteriPlast® sample spatula

Model	Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
without sleeve	263	150	10	14.65	10	13.20	5378-1009	N4
with sleeve	268	150	10	22.05	10	19.85	5378-1010	N4



## Sample spoon white, disposable



The disposable spoon made of polystyrene is produced in our clean room of class 7 (10,000) and individually packaged for disposable use.

The spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

- ▶ PS, white
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### LaboPlast® spoon, disposable

- ▶ Individually packaged

### SteriPlast® sample spoon

- ▶ Individually packaged and sterilised by gamma rays

LaboPlast

SteriPlast



### LaboPlast® spoon, disposable

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100	33.80	10	31.75	5378-0011	N4
170	10	100	35.95	10	33.80	5378-0012	N4



### SteriPlast® sample spoon

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100	35.85	10	33.70	5378-1011	N4
170	10	100	38.20	10	35.90	5378-1012	N4



## Dosing spoon, white

Volumetric and dosing spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. The content volume is engraved on the handle.

The flat front edge of the volumetric spoon is ideal for picking up medium from the bottom of the container or for getting into the corners of the container, thus allowing for good emptying of small remaining amounts. The flat base makes it possible to set the volumetric spoon down without spilling the content.

The disposable dosing spoon is suitable for use as a sample spoon for taking small sample quantities. Since the plastic volumetric spoon was developed for single use, there is no cleaning and the possibility of cross-contamination and impurities is excluded.

The dosing spoons and volumetric spoons are suitable for precise measuring for chemical and pharmaceutical applications, cosmetics, animal feed and the food & beverage industry.

Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilised.

- ▶ PS, white
- ▶ Optionally packaged individually and sterilised
- ▶ With stripper edge
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

LaboPlast

SteriPlast



### Dosing spoon, white

Ca- pacity ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.			
0,5	large package	100	18.90	10	17.40	5378-4004	N4		
0,5	sterilised, packaged individually	100	36.90	10	33.90	5378-4005	N4		
1	large package	100	20.80	10	19.20	5378-4006	N4		
1	sterilised, packaged individually	100	39.00	10	35.90	5378-4007	N4		
2,5	large package	100	23.00	10	21.20	5378-4008	N4		
2,5	sterilised, packaged individually	100	41.10	10	37.80	5378-4009	N4		
5	large package	100	25.20	10	23.20	5378-4010	N4		
5	sterilised, packaged individually	100	44.40	10	40.80	5378-4011	N4		
10	large package	100	27.30	10	25.10	5378-4012	N4		
10	sterilised, packaged individually	100	46.70	10	43.00	5378-4013	N4		
15	large package	100	29.00	10	26.70	5378-4014	N4		
15	sterilised, packaged individually	100	48.90	10	45.00	5378-4015	N4		
25	large package	100	33.30	10	30.60	5378-4016	N4		
25	sterilised, packaged individually	100	56.70	10	52.20	5378-4017	N4		
50	large package	100	47.80	10	44.00	5378-4018	N4		
50	sterilised, packaged individually	100	93.70	10	86.20	5378-4019	N4		



## Forceps, disposable



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples. The fluted handles ensure optimum and secure handling as well as precise work. The light plastic forceps for single use allow for fatigue-free work. The clean room-manufactured lab assistants meet the highest standards and prevent cross-contamination or impurities in the sample being examined. The lab tweezers are suitable for chemical, pharmaceutical or cosmetic applications as well as the food industry and scientific uses.

Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilised.

- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Overall length 130 mm
- ▶ PS, white
- ▶ Optionally packaged individually and sterilised



### Forceps, disposable

Shape	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
pointed/angled	sterilised, packaged individually	100	49.20	10	45.30	5378-1040	N4
pointed/angled	large package	100	29.60	10	27.20	5378-0040	N4
pointed	sterilised, packaged individually	100	49.20	10	45.30	5378-1041	N4
pointed	large package	100	29.60	10	27.20	5378-0041	N4
broad tip	sterilised, packaged individually	100	49.20	10	45.30	5378-1042	N4
broad tip	large package	100	29.60	10	27.20	5378-0042	N4

## Scraper



The scraper, made of polystyrene, is produced in our class 7 clean room (10,000) and individually packaged for disposable use.

Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

### Scraper LaboPlast®, disposable

- ▶ Individually packaged

### Scraper SteriPlast®

- ▶ Individually packaged and sterilised by gamma rays

Scraper LaboPlast®, disposable							
L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
200 x 80	10	15.65	10	14.40	5378-0030	N4	

Scraper SteriPlast®							
L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
200 x 80	10	17.35	10	15.95	5378-1030	N4	

The purity of disposable products and ecological sustainability combined perfectly!



With our new **LaboPlast® Bio** and **SteriPlast® Bio** product lines, we offer you products that feature all the properties for high-quality sampling. The improved specifications in this area can in part only be realised with disposable products. However to take into account environmental awareness and to safeguard ecologically sustainable trade, we now also offer these disposable products made of bio-plastic. **LaboPlast®** bio-products are only manufactured from renewable raw materials. **SteriPlast®** bio-products are also sterilised by gamma rays.



Green PE



### Environmentally friendly & sustainable

- ▶ Product and packaging made of bio-plastic
- ▶ Made of sustainable raw materials, dispensing with fossil materials
- ▶ CO<sub>2</sub> saving and thus reduction of the greenhouse effect
- ▶ 100 % recyclable

## Bio sample scoop



The Bio sample scoop made of green PE is produced in our clean room of class 7 (10,000), individually packaged in bio-PE film for disposable use and then sterilised by gamma rays. Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled. The sample scoop is ideal for powders, granulates and pastes.

- ▶ Product and packaging made of renewable raw materials
- ▶ Bio-PE, white
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### LaboPlast® Bio scoop

- ▶ Individually packaged

### SteriPlast® Bio sample scoop

- ▶ Individually packaged and sterilised by gamma rays

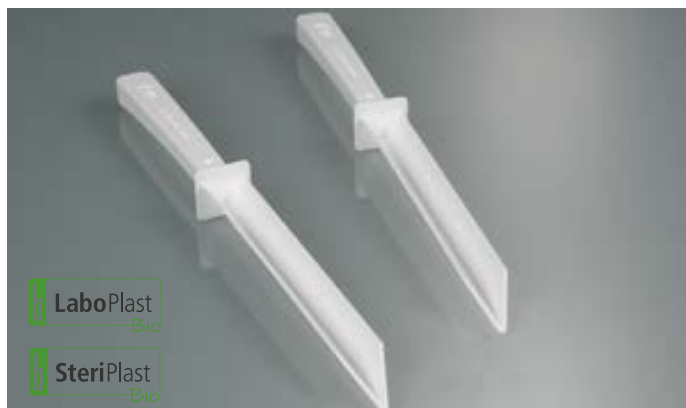


LaboPlast® Bio scoop									
Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.			
25	141	10	16.10	10	14.90	5379-0001	N4		
50	160	10	16.65	10	15.35	5379-0003	N4		
100	205	10	17.20	10	15.80	5379-0005	N4		
150	216	10	17.65	10	16.20	5379-0007	N4		

SteriPlast® Bio sample scoop									
Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.			
25	141	10	17.90	10	16.40	5379-1001	N4		
50	160	10	18.45	10	17.00	5379-1003	N4		
100	205	10	19.05	10	17.55	5379-1005	N4		
150	216	10	19.55	10	17.95	5379-1007	N4		

## Bio sample spatula



The disposable spatula made of green PE is produced in our clean room of class 7 (10,000) and individually packaged in bio-PE film for disposable use. Green PE bio-plastic has all the suitable properties of conventional polyethylene and can be completely recycled but is manufactured from renewable raw materials. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula is ideal for sampling powders, granulates and pastes.

### LaboPlast® Bio spatula

- Individually packaged

### SteriPlast® Bio sample spatula

- Individually packaged and sterilised by gamma rays

LaboPlast® Bio spatula								
Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
263	150	10	14.55	10	13.10	5379-0009	N4	

SteriPlast® Bio sample spatula								
Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
263	150	10	16.10	10	14.50	5379-1009	N4	

## Bio sample spoons



The disposable spoon made of green PE is produced in our clean room of class 7 (10,000) and individually packaged in bio-PE film for disposable use. Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled. The disposable spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

### LaboPlast® Bio spoon

- Individually packaged

### SteriPlast® Bio sample spoon

- Individually packaged and sterilised by gamma rays

LaboPlast® Bio spoon								
Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
127	2.5	100	37.15	10	34.90	5379-0011	N4	
170	10	100	39.60	10	37.20	5379-0012	N4	

SteriPlast® Bio sample spoon								
Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
127	2.5	100	41.25	10	38.70	5379-1011	N4	
170	10	100	43.90	10	41.30	5379-1012	N4	

# Disposable sampler, blue



The shade of blue that is used does not occur in a natural form in foodstuffs. Because of this, blue products or parts of them can be quickly found and easily identified in a visual check if they are ever mixed into production.

The use of blue tools thus helps to meet the requirements of the HACCP hazard analysis and assessment in reference to foreign objects. This is an important criterion, especially in food processing and production and in the animal feed and pharmaceutical industry.

- ▶ Can be used as part of HACCP/IFS foreign object management
- ▶ Especially for the food, animal feed and pharmaceutical industries
- ▶ PS, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

# Food scoop, blue



The SteriPlast® food scoop, made of blue polystyrene, is produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.

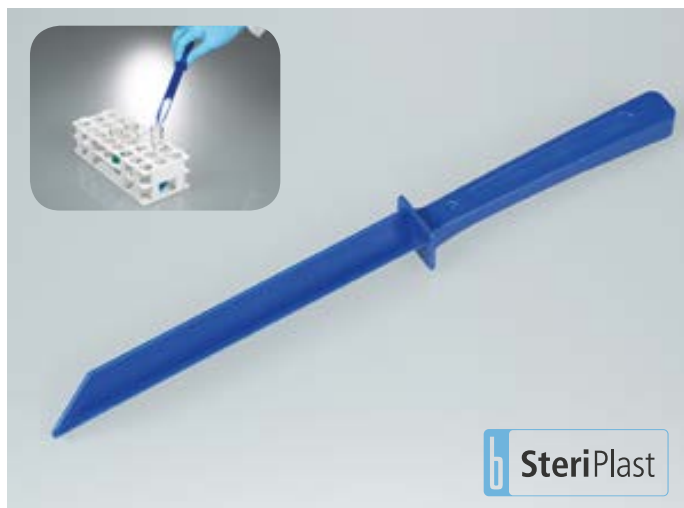
The food scoop is ideal for powders, granulates and pastes.



## Food scoop, blue

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	141	10	16.20	10	14.95	5378-3001	N4
50	160	10	16.80	10	15.45	5378-3003	N4
100	205	10	17.35	10	15.95	5378-3005	N4
150	216	10	17.75	10	16.30	5378-3007	N4
250	232	10	21.55	10	19.95	5378-3013	N4
500	280	10	38.35	10	35.30	5378-3015	N4
1000	332	10	59.60	10	54.80	5378-3019	N4

## Spatula for foodstuffs, blue



The SteriPlast® spatula for foodstuffs, made of polystyrene, is produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula for foodstuffs is ideal for sampling powders, granulates and pastes.

- ▶ PS, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



### Spatula for foodstuffs, blue

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10	14.65	10	13.20	5378-3009	N4

## Spoon for foodstuffs, blue



The SteriPlast® spoon for foodstuffs, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. The spoon for foodstuffs is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates, pastes and fluids.

- ▶ PS, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



### Spoon for foodstuffs, blue

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100	35.20	10	33.10	5378-3011	N4
170	10	100	37.50	10	35.10	5378-3012	N4

## Measuring spoons, blue



Volumetric and dosing spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon.

Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilised.

- PS, blue
- Optionally packaged individually and sterilised

### Measuring spoons, blue

Capacity ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
0,5	large package	100	18.90	10	17.40	5378-4044	N4
0,5	sterilised, packaged individually	100	36.90	10	33.90	5378-4045	N4
1	large package	100	20.80	10	19.20	5378-4046	N4
1	sterilised, packaged individually	100	39.00	10	35.90	5378-4047	N4
2,5	large package	100	23.00	10	21.20	5378-4048	N4
2,5	sterilised, packaged individually	100	41.10	10	37.80	5378-4049	N4
5	large package	100	25.20	10	23.20	5378-4050	N4
5	sterilised, packaged individually	100	44.40	10	40.80	5378-4051	N4
10	large package	100	27.30	10	25.10	5378-4052	N4
10	sterilised, packaged individually	100	46.70	10	43.00	5378-4053	N4
15	large package	100	29.00	10	26.70	5378-4054	N4
15	sterilised, packaged individually	100	48.90	10	45.00	5378-4055	N4
25	large package	100	33.30	10	30.60	5378-4056	N4
25	sterilised, packaged individually	100	56.70	10	52.20	5378-4057	N4
50	large package	100	47.80	10	44.00	5378-4058	N4
50	sterilised, packaged individually	100	93.70	10	86.20	5378-4059	N4

## Single-use tweezers, blue



- PS, blue
- Individually packaged and sterilised
- For single use
- Clean room manufactured (clean room class 7)
- Complies with EU food requirements and FDA regulations
- Overall length 130 mm



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples.

### Single-use tweezers, blue

Shape	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
pointed/angled	100	49.20	10	45.30	5378-1050	N4
pointed	100	49.20	10	45.30	5378-1051	N4
broad tip	100	49.20	10	45.30	5378-1052	N4



## Scraper for foodstuffs, blue



The SteriPlast® scraper for foodstuffs, made of blue polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.

Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- ▶ PS, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### Scraper for foodstuffs, blue

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
200 x 80	10	17.35	10	15.95	5378-3030	N4

## DispoDipper



Sampling tube manufactured in a clean room specially designed for disposable use. Due to the blue colour, it is also perfect for use in the food, animal feed and pharmaceutical industries. The scaled sample container can be used for an exact measurement. After sampling, the container can be closed and is leakproof. See page 185.

- ▶ PP, blue transparent
- ▶ Individually packaged and optionally sterilised by gamma rays
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Scaled sampling tube volume in ml and oz.
- ▶ Immersion depth 270 mm

### DispoDipper

Capacity ml	Model	Dia. mm	Height with cap mm	Total length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
50	standard	40	98	417	20	19.70	7	18.75	5393-7000	N4
50	sterilised	40	98	417	20	25.40	7	24.15	5393-7001	N4
100	standard	53	98	415	20	28.30	5	26.85	5393-7010	N4
100	sterilised	53	98	415	20	36.05	5	34.25	5393-7011	N4
250	standard	72	116	429	20	32.10	3	30.50	5393-7020	N4
250	sterilised	72	116	429	20	40.90	3	38.85	5393-7021	N4



b LaboPlast

b SteriPlast



## Detectable disposable samplers



These scoops, spatulas, spoons and scrapers are not only coloured blue but also have a special additive in the material that makes them visible to metal detectors or X rays. These products can therefore be rejected with standard systems for checking for foreign objects, even though they are made of plastic.

- ▶ Can be detected by colour scanners, metal detectors or X-rays
- ▶ Can be used as part of HACCP/IFS foreign object management
- ▶ Especially for the food, animal feed and pharmaceutical industries
- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

## Detectable scoops, blue



Detectable SteriPlast® scoops, made of blue polystyrene, are produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.

Detectable scoops are ideal for powders, granulates and pastes.



### Detectable scoops, blue

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	141	10	22.75	10	21.40	5378-2001	N4
50	160	10	25.15	10	23.65	5378-2003	N4
100	205	10	26.85	10	25.25	5378-2005	N4
150	216	10	28.45	10	26.75	5378-2007	N4
250	232	10	35.80	10	33.65	5378-2013	N4
500	280	10	65.20	10	61.30	5378-2015	N4
1000	332	10	101.35	10	91.20	5378-2019	N4

## Detectable spatula, blue



Detectable SteriPlast® spatulas, made of blue polystyrene, are produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. Detectable spatula are ideal for sampling powders, granulates and pastes.

- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### Detectable spatula, blue

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10	21.25	10	20.00	5378-2009	N4

## Detectable spoon, blue



Detectable SteriPlast® spoons, made of polystyrene, are produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. The detectable spoons are available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and are ideal for sampling powders, granulates and fluids.

- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### Detectable spoon, blue

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100	45.70	10	42.95	5378-2011	N4
170	10	100	50.60	10	47.55	5378-2012	N4

## Detectable volumetric spoon, blue



Volumetric and dosing spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. The content volume is engraved on the handle.

- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised
- ▶ With stripper edge
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

### Detectable volumetric spoon, blue

Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
0,5	100	44.30	10	40.80	5378-4085 N4
1	100	47.60	10	43.80	5378-4087 N4
2,5	100	51.00	10	46.90	5378-4089 N4
5	100	55.90	10	51.40	5378-4091 N4
10	100	59.80	10	55.00	5378-4093 N4
15	100	63.60	10	58.50	5378-4095 N4
25	100	74.80	10	68.80	5378-4097 N4
50	100	125.60	10	115.60	5378-4099 N4



## Detectable scraper, blue



The detectable SteriPlast® scraper, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.

Sturdy and convenient scraper for disposable use. The detectable scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

### Detectable scraper, blue

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
200 x 80	10	26.85	10	25.25	5378-2030 N4



## Detectable forceps, sterile



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples.

- ▶ PS detectable, blue
- ▶ Individually packaged and sterilised
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Overall length 130 mm

### Detectable forceps, sterile

Shape	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
pointed/angled	100	73.20	10	67.30	5378-1060	N4
pointed	100	73.20	10	67.30	5378-1061	N4
broad tip	100	73.20	10	67.30	5378-1062	N4

## Forceps, stainless steel



- ▶ Stainless steel (1.4301)
- ▶ Flutings at the ends and grip for secure handling

### Forceps, stainless steel, sharp, bent form

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
105	2.65	10	2.45	5386-0100	N4
130	3.06	10	2.80	5386-0102	N4
160	3.52	10	3.26	5386-0104	N4

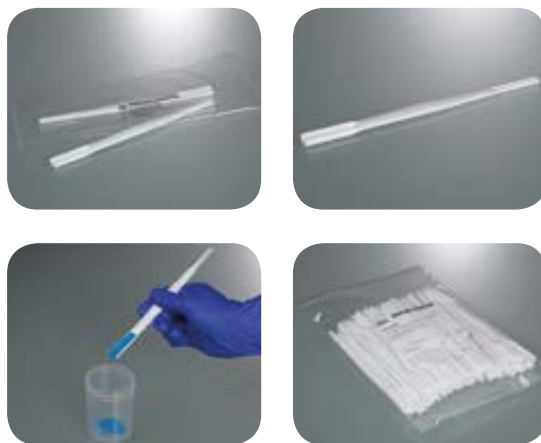
### Forceps, stainless steel, sharp, straight

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
105	2.65	10	2.45	5386-0200	N4
130	3.06	10	2.80	5386-0202	N4
160	3.52	10	3.26	5386-0204	N4

### Forceps, stainless steel, blunt, straight

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
105	2.65	10	2.45	5386-0300	N4
130	3.06	10	2.80	5386-0302	N4
160	3.52	10	3.26	5386-0304	N4

## Micro-spatula, disposable



Double scoop spatula with rounded ends, content 1.0 and 0.25 ml, total length 180 mm.

The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids.

The sturdy and convenient centre handle facilitates precise work.

Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilised by gamma rays.

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### Micro-spatula, disposable

Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Large package	100	18.90	10	17.40	5378-0032	N4
sterilised, packaged individually	100	47.00	10	43.30	5378-1032	N4

## Micro spatula stainless steel



The micro spatula can be used for reliably measuring, sampling or processing small amounts of powder, chemicals, pastes, creams or active ingredients. The laboratory scoop is made of stainless steel and is manufactured entirely without edges, crevices or undercuts. This excludes the possibility of impurities or cross-contamination, since no product residue or cleaning agents can be deposited.

The micro spatula is ideal for use in the pharmaceutical industry as well as food & beverage and cosmetics.

- Stainless steel (1.4301)
- High-gloss polished
- Contents 1.25 ml



### Micro spatula stainless steel

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
170	3.31	10	3.01	5386-0001	N4



## Spoon spatula stainless steel



The spatula-spoon can be used in many different applications. The double-sided multi-purpose spoon is a spoon on one side and a spatula on the other. This makes it possible to sample and process a variety of media such as powders, granulates, pastes and liquids. The spoon side of the spoon-spatula holds 4 ml or 11 ml respectively. Manufactured from a single piece of stainless steel, the spoon-spatula has no edges, crevices or undercuts. Because of this, product residue or cleaning agents cannot be deposited and the possibility of cross-contamination or impurities is excluded. That makes the poly-spoon ideal for use in chemistry, the pharmaceutical industry, cosmetics and the food industry.

- ▶ Stainless steel (1.4301)
- ▶ High-gloss polished
- ▶ Double-sided function

### Spoon spatula stainless steel

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
180	3.57	10	3.38	5386-0022	N4
300	11.10	10	10.55	5386-0025	N4



## Spoon spatula, disposable



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The spoon spatula is a double spatula with a 0.5 ml spoon and a 17 mm spatula blade, total length 178 mm.

The spoon spatula has many different uses in labs – as a sampling spoon, for measuring or transferring small amounts, as a scraper or for mixing and stirring. Specially designed for disposable use, resistant to chemicals and corrosion-proof. Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilised by gamma rays.

- ▶ PS
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Optionally packaged individually and sterilised by gamma rays



### Spoon spatula, disposable

Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Large package	100	18.90	10	17.40	5378-0031	N4
sterilised, packaged individually	100	47.00	10	43.30	5378-1031	N4



Sample-spoon



Sampling spoon for withdrawing small quantities of samples. This specially shaped spoon lets you reach almost every corner in a container and prevents samples from trickling out.

- ▶ Made of AISI 304 (1.4301) stainless steel
- ▶ Largely chemical resistant (not against acids and alkalis)

Sample-spoon									
Length mm	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.				
150	2	4.79	10	4.48	5320-0150	N4			
180	2	5.10	10	4.79	5320-0180	N4			
210	2	5.45	10	5.10	5320-0210	N4			
300	9	9.05	10	8.50	5320-0300	N4			
400	9	11.70	10	11.05	5320-0400	N4			
500	9	13.55	10	12.75	5320-0500	N4			

Dosing spoon and measuring spoon set





Dosing and measuring spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. The content volume is engraved on the handle.

The flat front edge of the volumetric spoon is ideal for picking up medium from the bottom of the container or for getting into the corners of the container, thus allowing for good emptying of small remaining amounts. The flat base makes it possible to set the volumetric spoon down without spilling the content.

An eyelet in the end of the handle can be used to hang up a spoon or to bundle several together.

- ▶ Content volume: 0.5; 1.0; 2.5; 5.0; 10; 15; 25; and 50 ml
- ▶ Set of volumetric spoons with eight sizes
- ▶ PS
- ▶ With stripper edge
- ▶ Complies with EU food requirements and FDA regulations

Dosing spoon and measuring spoon set								
Colour	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.		
white	0,5 - 50	8	7.90	10	7.25	5378-4120	N4	
blue	0,5 - 50	8	7.90	10	7.25	5378-4125	N4	

## Measuring spoons



Stainless steel measuring spoon in a set of 4, as a measuring aid for fast and easy measuring from 1.25 to 15 ml. The volume is engraved on the handle of each measuring spoon.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Volumes: 1.25 ml, 2.5 ml, 5 ml, 15 ml
- ▶ Spoon high-gloss finished, handle matt polished

### Stainless steel measuring spoons

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.
1.25 - 15	12.55	10	10.90	5334-8000 N4

## Volumetric spoons



The capacity is embossed into the spoon handle. Available as a set with 8 volumetric spoons or separate in bags of 100 volumetric spoons.

- ▶ Polystyrene, blue
- ▶ Round shape, easy emptying

### Volumetric spoons

Capacity ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
0.5 - 50	8 spoons set	8	8.20	10	7.40	5334-0001	N4
0.5	pack	100	43.20	10	38.85	5334-0005	N4
1	pack	100	43.20	10	38.85	5334-0010	N4
2.5	pack	100	49.15	10	44.20	5334-0025	N4
5	pack	100	50.60	10	45.50	5334-0050	N4
10	pack	100	50.90	10	45.75	5334-0100	N4
15	pack	100	54.20	10	48.85	5334-0150	N4
25	pack	100	59.95	10	53.95	5334-0250	N4
50	pack	100	93.80	10	84.05	5334-0500	N4

## Measuring scoops



Universal graduated shovel for filling and measuring of powders and granules. For exact metering, the graduated shovel is to be overfilled and the excess at the upper edge of the shovel is to be wiped off.

- ▶ PP, white
- ▶ High chemical-resistance

### Measuring scoops

Capacity ml	L x W mm	Price €	Quantity scale from	Scale price €	Item no.	
2	60 x 21	0.39	48	0.38	9614-0002	N3
5	82 x 27	0.45	48	0.42	9614-0005	N3
10	100 x 34	0.48	48	0.47	9614-0010	N3
25	135 x 44	0.72	48	0.64	9614-0025	N3
50	160 x 55	1.05	48	0.96	9614-0050	N3
100	200 x 70	1.60	48	1.45	9614-0100	N3
250	260 x 90	3.42	24	3.09	9614-0250	N3
500	315 x 118	5.20	24	4.65	9614-0500	N3
1000	385 x 134	6.05	24	5.40	9614-1000	N3

# PharmaScoop



This sample scoop PharmaScoop has been developed in order to meet the high requirements of the pharmaceutical industry, such as those contained in the FDA regulations. Like all samplers for the pharmaceutical industry, they are made of stainless steel AISI 316 without edges, crevices or undercuts in which sample residues could collect and contaminate subsequent samples. The highly polished inner and outer surfaces of the scoop therefore meet all the requirements for GMP compliance in production and sampling.

- ▶ Stainless steel AISI 316 (1.4404)
- ▶ GMP conform
- ▶ Highly polished

PharmaScoop								<div> <div></div> <div>autoclave 121°</div> <div></div> </div>
Capacity ml	Dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.		
10	25	45	61.65	10	57.35	5324-0010	N4	
50	38	70	104.45	10	97.15	5324-0011	N4	
100	50	100	141.95	10	132.00	5324-0012	N4	
500	95	140	142.50	10	132.55	5324-0018	N4	
750	95	210	146.75	10	136.50	5324-0013	N4	
1000	110	235	162.40	10	151.05	5324-0014	N4	
1250	125	195	167.55	10	155.80	5324-0015	N4	
1700	135	230	174.05	10	161.85	5324-0016	N4	
2500	185	215	207.60	10	193.05	5324-0017	N4	
PharmaScoop with long handle								<div> <div></div> <div>autoclave 121°</div> <div></div> </div>
Capacity ml	Dia. mm	Length mm	Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
1000	110	235	835	198.00	10	184.15	5324-0019	N4

# EasyScoop



When sampling bulk goods with a high specific weight, conventional scoops subject the user’s wrist to great stress. EasyScoop with its centrally arranged inner grip is ergonomically designed and ensures easy and safe work. As EasyScoop is considerably shorter than conventional scoops, it is easier to take samples from narrow containers.

- ▶ Made of light aluminium, bright-anodised

EasyScoop						<div> <div></div> <div>autoclave 121°</div> <div></div> </div>
Capacity ml	Length mm	Weight g	Price €	Item no.		
1500	200	325	27.00	5356-1500	N2	
2000	300	575	35.55	5356-2000	N2	

## Scoop AISI 304



The stainless steel scoop can be used for taking samples of powders, granulates and pastes. Made of stainless steel V2A (1.4301), the material is sterilisable and autoclavable. The rustproof stainless steel scoop has a smooth, high-gloss polished surface and is food-safe.

The tubular shape makes it easy to immerse the scoop in the medium being sampled. The high sides prevent the sample from trickling out. The round handle offers a good grip. The sturdy scoop is ideal for chemical, pharmaceutical, animal feed and food applications.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Sterilisable
- ▶ Robust

### Scoop AISI 304

Capacity ml	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
120	50	21.40	5	19.65	5370-0120	N3
450	75	24.10	5	22.15	5370-0450	N3
1000	100	28.65	5	26.35	5370-1000	N3
1500	120	32.80	5	30.15	5370-1500	N3
2500	150	43.05	5	39.65	5370-2000	N3

## FoodScoop



Very stable hand scoop for various applications, particularly suited for the food industry. Seamless connection of scoop and hollow handle, therefore without crevices and edges. Especially smooth, highly polished surface.

- ▶ Especially sturdy model
- ▶ Stainless steel AISI 304 (1.4301)
- ▶ With handy suspension eyelet

### FoodScoop

Capacity ml	Total length mm	L x W mm	Price €	Quantity scale from	Scale price €	Item no.	
100	215	120 x 60	22.35	5	20.50	5371-0100	N3
200	230	140 x 75	30.50	5	28.00	5371-0200	N3
250	245	155 x 85	33.65	5	31.05	5371-0250	N3
350	290	180 x 100	37.75	5	34.75	5371-0350	N3
500	350	220 x 130	49.95	5	45.85	5371-0500	N3

## Plastic scoops and scrapers

Iron scoops are loud, they can be dented, they rust and they are heavy. Plastic scoops have none of these disadvantages and are also hygienic because they are made in one piece and have a non-stick surface. They also have a high chemical resistance, they are unbreakable and, depending on the version, may be anti-static, anti-microbial, suitable for use with food and available in different colours (cadmium-free) – all valuable advantages!

Depending on the version the scoops may be anti-static, anti-microbial, suitable for use with food and available in different colours (cadmium-free).

The scoops and scrapers are made of polypropylene and contain additives for different applications:

- Industry: green
- Foodstuffs: white

### Six products:

- Scraper with fixed handle
- Hand scoop
- Filling scoop, ideal for sampling
- 2-part shovel with D-grip
- 2-part shovel with T-grip
- 1-part shovel reduces contamination

Pharmaceuticals, biotechnology, foods, feed, chemistry, industry, agriculture, fish farming, sampling, veterinary use.



### Scoops and scrapers for foodstuffs

Polypropylene's easy-to-clean, smooth and pore-free surface makes these scoops extremely suitable for the food sector. The scoops can be also used for boiling products.

- For foodstuffs (FDA and (EU) Nr. 10/2011)



① Hand scoops for foodstuffs										
L x W mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.				
315 x 247	52.7	509	22.45	5	20.05	8300-1010	N3			
② Filling scoops for foodstuffs										
W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.				
110 x 150 x 250	25	90	6.05	5	5.55	8300-5010	N3			
138 x 187 x 310	31	187	9.95	5	9.05	8300-5011	N3			
167 x 230 x 355	35	289	11.05	5	9.85	8300-5012	N3			
③ 1-part shovels for foodstuffs										
Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.			
D	279 x 362 x 1107	111	1564	84.70	5	75.35	8300-0010	N3		
D	347 x 410 x 1100	110	1882	88.90	5	79.40	8300-0011	N3		
④ 2-part shovel for foodstuffs										
Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.			
T	247 x 315 x 966	97	1040	53.80	5	48.25	8300-2010	N3		
⑤ Scrapers for foodstuffs										
L x W mm		Weight g	Price €	Quantity scale from	Scale price €	Item no.				
205 x 75		44	5.55	5	4.43	8300-4011	N3			
250 x 110		80	7.10	10	5.75	8300-4010	N3			



# Plastic scoops and scrapers



## Scoops and scrapers for industry

With anti-static additive, ideal for robust use in chemistry and industry. Polypropylene has a high resistance to chemicals and temperatures. The scoops are unbreakable, easy to clean and light-weight.

► Anti-static



### ① Hand shovel for industry

L x W mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
315 x 247	51.5	509	25.80	5	23.50	8300-1003	N3
350 x 257	58.7	810	40.50	5	36.80	8300-1001	N3

### ② Filling scoops for industry

W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
110 x 150 x 250	25	90	6.05	10	5.55	8300-5001	N3
138 x 187 x 310	31	187	9.35	5	8.60	8300-5002	N3
167 x 230 x 355	35	289	11.05	5	9.85	8300-1002	N3

### ③ 2-part shovel for industry

Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
T	247 x 315 x 966	97	1004	53.80	5	48.25	8300-2001	N3
D	257 x 350 x 1045	104.5	1280	68.80	5	60.60	8300-3006	N3

### ④ Scrapers for industry

L x W mm	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
205 x 75	44	5.55	10	4.43	8300-4001	N3
250 x 110	80	7.10	10	5.75	8300-4002	N3



## Meat sampler for carcass sampling

Meat sampler for microbiological sampling of carcass surfaces. The samplers for carcass sampling are similar to a cork drill. They can be used in the punch process (a destructive process, also called the cork drill or excision process) to remove a circular sample of tissue of 5 cm<sup>2</sup> from the surface. After the punch sample is cut out, it is removed from the carcass with a scalpel and tweezers. The sharp cutting edge made of stainless steel makes it easy to cut out sample pieces. A hole in the crown prevents air compression and is also used to eject the samples.

The samplers are easy to sterilise, for example by flaming or steam sterilisation.

- ▶ For sampling in accordance with DIN EN ISO 17604:2015-12
- ▶ Cutting surface 25 mm Ø



### BeefSteaker



The BeefSteaker meat sampler for manually cutting out a piece of tissue for microbiological sampling of carcass surfaces. The core bit is drilled in by hand.



BeefSteaker					
Dia. mm	Price €	Item no.			
25	208.95	5388-1000	N4		

### Drill head for carcass sampling



The drill head for carcass sampling has a hexagonal socket for bit holders or chucks, suitable for all commonly used cordless screwdrivers or drilling machines.

Drill head for carcass sampling						
Dia. mm	Price €	Quantity	Scale	Item no.		
		scale from	price €			
25	92.50	10	85.10	5388-1010	N4	

## IceSampler



Sampler developed for sampling from frozen, highly viscous, paste-like materials such as ice-cream and similar substances. The drill-shaped cutter screws itself into the frozen goods independently when being rotated. The collection cylinder can easily be detached via a bayonet connection. The sample is then available and can be removed.

- ▶ Stainless steel AISI 316L (1.4404), electro-polished
- ▶ Sterilisable
- ▶ Easy cleaning
- ▶ Collection cylinder 38 mm Ø

IceSampler					
Length mm	Volume ml	Price €	Item no.		
300	50	431.65	5339-0300	N2	
550	50	459.85	5339-0550	N2	
1050	50	487.95	5339-1050	N2	

# Ice borer | for deep-frozen and semi-solid substances

Sampler for deep-frozen products in the food and luxury items sector and for semi-solid substances. The very robust hollow drill cuts quickly into the sample material with its sharp sawing crown. A sample cylinder (cross-section sample) can be cut out.

The ice drill can be mounted on your standard commercial drilling machine. The core bit drills quickly and easily down to the desired depth in the frozen material. This makes it possible to cut a representative core sample from all layers of the frozen medium without expending any great effort. Drilling core samples can be taken from a drilling depth of up to 100 or 200 mm, depending on the design. The ejector makes it easy to release the sample from the drill head.

Made of stainless steel AISI 316, the drill is sterilisable and suitable for use with foods. The ice drill is ideal for quality control in the food and animal feed industries and is also suitable for example for sampling frozen meat for meat inspections. Other deep-frozen substances can be sampled easily as well with the sampling drill, for example frozen liquids.

- ▶ Stainless steel AISI 316L (1.4404) / AISI 316 Ti (1.4571)
- ▶ Sterilisable
- ▶ Cross-section sample



Ice borer					
Inner dia. mm	Outer dia. mm	Drilling depth mm	Price €	Item no.	
8	10	100	109.00	5323-0190	N4
16	21	200	276.95	5323-0200	N4
50	54	200	482.00	5323-2010	N4

# Soil sampler GeoSampler | soil sampling



Soil sampler for light soils, meadows and lawns. The foot bar of model 5350-5006 makes work much easier.

- ▶ Stainless steel

Soil sampler GeoSampler							
Model	Total length cm	Flute length mm	Outer dia. mm	Inner flute dia. mm	Weight g	Price €	Item no.
without foot bar	56	300	17	11	550	83.70	5350-5003 N2
with foot bar	81	300	20	14	1500	106.95	5350-5006 N2

# Soil sampler Puerckhauer | soil sampling



Very robust Puerckhauer-sampler for heavy and stony soils. Model 5350-5018 has a conically-tapered 60 cm tip which makes it much easier to extract the driven-in sampler. Ideal for N-min sampling 0–90 cm.

- ▶ Depth graduation 10 cm divisions
- ▶ Attachable handle, with non-slip plastic grips
- ▶ Reinforced impact head
- ▶ Stainless steel

Soil sampler Puerckhauer							
Total length cm	Flute length mm	Outer dia. top mm	Outer dia. bottom mm	Inner flute dia. mm	Weight g	Price €	Item no.
81	600	20	20	13	2400	272.40	5350-5012 N2
117.5	1000	28	25	18	3800	603.10	5350-5018 N2

## Mole with handle and bar

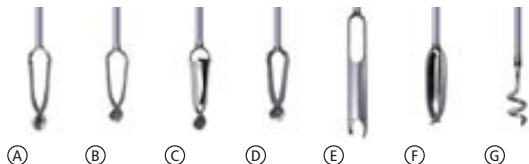


Very robust model with specially hardened forged drill bits. For determining soil properties, moisture and structure. The shape of the Mole's drill bits ensures minimum friction when drilling and removing the Mole from the ground. This reduces physical effort to a minimum.

The Mole has different components. Handle with 75 cm rod, extension rod 100 cm if necessary and one of seven available drill bits, each of which is designed for a particular soil type. The components can be combined without any problems. Extension rods can extend the working depth of the Mole down to 5 m.



Please order drill bits separately!



① Mole with handle and bar			
Model	Length cm	Price €	Item no.
handle with rod, without drill bit	75	207.55	5350-1005 N4
Accessories			
Description		Price €	Item no.
② Extension for mole		116.60	5350-1010 N4
Transport case LxWxH 123x25x11 cm		103.75	3600-2120 N4

## Drill bits for mole

There are various drill bits for Mole, which are each designed for very specific soil properties:

### Ⓐ Clay and damp soil

With narrow side panels for minimum soil friction/resistance. As wet soils are usually very cohesive, the soil still adheres to the bit very well.

### Ⓑ Sand

With broad side panels and therefore a large retention capacity for the sand.

### Ⓒ Coarse sand

With extra broad side panels enclosing even more of the bit so that even coarse sandy soils and very dry soils are retained.

### Ⓓ Combination

Retains both strongly cohesive and less cohesive soils.

### Ⓔ Riverside

Very suitable for drilling in hard, encrusted soils and soils mixed with fine gravel. The drill cutters project from the drill itself, so that friction is greatly reduced.

### Ⓕ Gravel drill

With slightly rounded, oblique scoops which pull themselves downward in the gravel. Any stones present are clamped between the drill sides. Finer soil material (coarse sand with fine gravel) is retained in the drill bit.

### Ⓖ Stone catcher

The stone catcher is used to collect and remove stones that prevent proper sampling with one of the other drill bits.

③ Drill bits for mole				
Model	Price €	Quantity scale from	Scale price €	Item no.
Ⓐ clay and wet soils	167.90	5	159.55	5350-1015 N4
Ⓑ sand	207.55	5	197.15	5350-1020 N4
Ⓒ coarse sand	286.85	5	272.55	5350-1025 N4
Ⓓ combination	170.50	5	161.80	5350-1030 N4
Ⓔ riverside	248.95	5	236.50	5350-1035 N4
Ⓕ gravel drill	214.55	5	203.85	5350-1040 N4
Ⓖ stone catcher	321.85	5	305.70	5350-1045 N4



## MiniTherm



This immersion/insertion thermometer is suitable for measuring temperatures in gases, soft or powdered substances and liquids.

New: The mini thermometer in watertight design can simply be rinsed under flowing water or even cleaned in a dishwasher.

- ▶ Easy and quick battery replacement, battery included
- ▶ Sensor directly in the measuring tip
- ▶ Handy
- ▶ Many uses

### MiniTherm

Model	Measuring range °C	Length mm	Dia. mm	IP Code	Price €	Item no.	
standard	-50 to +150	133	4	41	40.75	5384-0011	N2
watertight	-20 to +230	120	4	67	60.15	5384-0012	N2



## SnowPack® dry ice machine



SnowPack® enables you to obtain a -79 °C dry ice tablet weighing 50 or 250 g within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.

SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.

Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc.

Dry ice is easy to handle, odourless and flavourless. The SnowPack® dry ice machine can be installed on any commercial CO<sub>2</sub>-bottle with a standpipe (without pressure regulator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor. For more info see page 230.

### SnowPack® dry ice machine

Model	Tablet dia. x H mm	Weight g	Gas escape time ca. min	Tablets per 22 kg bottle approx.	Price €	Item no.
SnowPack® 50	50 x 30	50	1	approx. 90	212.15	9805-0030 N4
SnowPack® 250	80 x 60	250	1	approx. 16	260.70	9805-0200 N4



## Sample boxes, aseptic



Sample box with tightly closing sealing cover. The lid can be opened with one hand and its hinge angle is 90°. Liquid/condensate in the lid runs into an absorbing groove integrated in the lid, nothing is lost, nothing can drip. The box is completely tight, has no crevices, is therefore easy to fill and can be emptied without residues. The sample box is produced under aseptic conditions. It is autoclavable and suitable for deep freezing.

- ▶ PP, transparent
- ▶ Aseptic
- ▶ With area for labelling and with graduation

Sample boxes, aseptic

Capacity ml	Height mm	Dia. mm	Model	Price €	Quantity scale from	Scale price €	Item no.	
50	78	31	with labelling area and graduation	0.36	650	0.34	6206-0060	N3
90	80	43	with labelling area and graduation at 80 ml	0.41	350	0.38	6206-0100	N3
300	88	75	graduated	1.05	240	0.98	6206-0300	N3

## Sample tubes aseptic, with seal



The sample boxes are manufactured in the cleanroom and sealed in the injection moulding machine at over 100 °C, so that the insides of the boxes are virtually sterile. This method makes the boxes absolutely leakproof, as the cap and box adapt ideally to each other during the cooling process. No crevices, therefore easy to fill and can be emptied without residues. With tamper-evident seal which guarantees virtual sterility until the first opening. After opening, it can be sealed again with a practical seal.

- ▶ PP, transparent
- ▶ Aseptic
- ▶ 340 ml tube with graduation
- ▶ Sealable

Sample tubes aseptic, with seal

Capacity ml	Height mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
55	84	29	0.39	90	0.37	6207-0055	N3
340	119	63	0.68	90	0.59	6207-0340	N3

## Tubes with screw cap



Shapely packing container with screw cap. Emptying without residues because there are no crevices, cost-effective.

- PP, white
- Sterilisable

## Sample beaker with cover



Sample beaker with liquid-tight red screw-on cover. The sample beakers are aseptic and suitable for use with food. The beakers can be autoclaved without the cover.

- PP beaker, LDPE cover
- Temperature resistance of beaker -20 °C/+120 °C, cover -80 °C/+75 °C
- Aseptic

### Tubes with screw cap

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
12	25	31	0.22	100	0.19	6214-0012	N3
25	31	40	0.33	100	0.28	6214-0025	N3
60	41	56	0.58	100	0.47	6214-0060	N3
90	52	52	0.65	100	0.53	6214-0090	N3
125	52	67	0.74	100	0.58	6214-0125	N3
250	68	79	1.21	100	0.95	6214-0250	N3
625	90	113	1.31	70	1.06	6214-0600	N3
1000	102	129	3.25	80	2.53	6214-1000	N3

### Sample beaker with cover

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
125	52	74	0.91	380	0.73	7103-0125	N3

## Aluminium bottle | light, unbreakable, seamless

## Sealable wide-necked bottles



The aluminium bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odour-neutral, impervious to light, rustproof.

- ▶ Pure aluminium (material AL 99.5)
- ▶ With tamper-evident screw cap made of PP with aluminium inner seal
- ▶ Suitable for food (exception: highly acidic and salt-containing foods)
- ▶ With UN approval (for 60–5600 ml)

Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- ▶ HDPE
- ▶ Leakproof
- ▶ Easy to fill due to wide-necked opening

### Aluminium bottle

Capacity ml	Dia. mm	Height with cap mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
38	35	70	no	1.55	387	1.41	0327-0038	N3
60	40	88	1B1/X/250	1.69	304	1.54	0327-0060	N3
120	57	97	1B1/X/250	2.04	143	1.82	0327-0120	N3
300	57	160	1B1/X/250	2.70	149	2.64	0327-0300	N3
600	74	192	1B1/X/250	3.92	84	3.83	0327-0600	N3
1200	88	248	1B1/X/250	4.65	60	4.43	0327-1200	N3
3000	161	215	1B1/X/250	15.95	168	14.65	0327-3000	N3
5600	161	340	1B1/X/250	19.00	168	17.50	0327-5600	N3

### Sealable wide-necked bottles

Capacity ml	Container dia. mm	Neck dia. inside mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
250	64	26.5	118	2.56	50	2.21	0322-0250	N3
500	78	40	147	2.64	50	2.30	0322-0500	N3
1000	100	50	186	5.35	50	4.48	0322-1000	N3
2000	120	50	230	6.15	50	5.30	0322-2000	N3

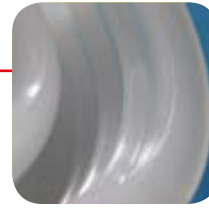
### Accessories

Description	Price €	Item no.
SampleSafe seal, red, 100 pieces	70.55	5399-2902 N4

## Table of contents containers



160 – 166	Narrow-necked bottles
167 – 170	Wide-necked bottles
171 – 177	Spray bottles, wash bottles and dropping bottles
178 – 179	Aluminium bottles
180 – 185	Boxes
183 – 185	Sample containers
186 – 192	Canisters, wide-mouth containers
188 – 189	Canister for flammable liquids
193	Storage/stacking containers
194 – 197	Tubs, big containers
198 – 199	Safety containers
200 – 201	Packaging buckets, packaging bags



## Containers

Bottles, tubes, jerry cans

# Narrow-necked bottles for universal use | easy to handle and squeeze, reliable outflow



Universal bottles for storing, packing, lab, taking samples, sampling and transport of liquids.

- With screw cap
- LDPE, transparent
- With wash bottle closure/with dropper cap see page 176

**\* Bulk prices**

## Narrow-necked bottles for universal use

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
10	26	47	9	14	0.54	100	0.42	0302-0010	N3
20	32	58	9	14	0.59	100	0.47	0302-0020	N3
30	35	67	9	14	0.71	100	0.56	0302-0030	N3
50	40	86	13	18	0.93	100	0.68	0302-0050	N3
100	45	106	13	18	1.01	100	0.70	0302-0100	N3
200	58	134	13	18	1.73	25	1.39	0302-0200	N3
250	60	140	18	25	1.76	50	1.41	0302-0250	N3
500	75	173	18	25	2.64	50	2.04	0302-0500	N3
1000	95	213	21	28	3.98	50	2.93	0302-1000	N3
2000	120	263	21	28	7.05	50	5.30	0302-2000	N3
3000	139	306	24	32	12.10	20	9.00	0302-3000	N3
5000	163	360	31	40	16.75	10	14.60	0302-5000	N3



## Round bottles with snap closure



Handy round bottles with snap-action hinged lid, especially suited for cosmetic liquids, emulsions, creams and oils. Sampling possible per portion.

- ▶ Bottle HDPE transparent, closure PP
- ▶ Snap closure with hole Ø 3 mm
- ▶ Cost-effective and shapely

**Bulk prices**

### Round bottles with snap closure

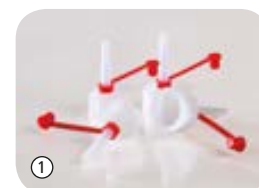
Capacity ml	Height with cap mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	115	22	1.05	50	0.97	0308-0100	N3
250	143	22	1.33	50	1.20	0308-0250	N3
500	182	25	1.71	50	1.64	0308-0500	N3
1000	221	25	2.52	72	2.28	0308-1000	N3

## Tall-form bottles



Universal bottle for storing, packing, lab, sampling.

- ▶ LDPE, transparent
- ▶ Leakproof
- ▶ With screw cap
- ▶ Matching dropper cap is available as accessory



### Tall-form bottles

Capacity ml	Dia. mm	Height mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45	98	13	18	1.01	100	0.77	0314-0100	N3
250	61	128	18	25	1.61	50	1.20	0314-0250	N3
500	77	162	18	25	2.50	50	1.86	0314-0500	N3
1000	95	198	21.6	28	3.72	50	2.69	0314-1000	N3

### Accessories

Description	Price €	Item no.
① Dropper cap fits for thread dia. 18 mm	0.35	0300-3018 N3
① Dropper cap fits for thread dia. 25 mm	0.43	0300-3025 N3
① Dropper cap fits for thread dia. 28 mm	0.46	0300-3028 N3

# The purity of disposable products and ecological sustainability combined perfectly!



With our new LaboPlast® Bio and SteriPlast® Bio product lines, we offer you products that features all the properties for high-quality sampling.

The improved specifications in this area can in part only be realised with disposable products. However to take into account environmental awareness and to safeguard ecologically sustainable trade, we now also offer these disposable products made of bio-plastic.

LaboPlast® bio-products are only manufactured from renewable raw materials. SteriPlast® bio-products are also sterilised by gamma rays. To create a completely sustainable product, the individual packaging is also made of bio-PE. This is 100 % recyclable and is manufactured without fossil raw materials. This also involves a CO<sub>2</sub> saving as well as a reduction of the greenhouse effect.



Sugarcane  
100 % renewable raw material



100 % recyclable



**I'm green**

**Green PE**

Reduces CO<sub>2</sub> (2.9 t/t PE)  
Reduces the greenhouse effect

**LaboPlast**  
Bio

**SteriPlast**  
Bio

## Optimum product properties

- ▶ A perfect match for sampling purposes
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Mainly manufactured, assembled and packed in Bürkle's own clean room
- ▶ SteriPlast® Bio sterilised by gamma rays is also available

## Environmentally friendly and sustainable

- ▶ Product and packaging made of bio-plastic
- ▶ Made of sustainable raw materials, dispensing with fossil materials
- ▶ CO<sub>2</sub> saving and thus reduction of the greenhouse effect
- ▶ 100 % recyclable
- ▶ Sugarcane, 100 % renewable raw material – reduces CO<sub>2</sub> (2.9 t/t PE) – reduces the greenhouse effect

## Narrow-necked bio-bottles PE

The narrow-necked bio-bottles are manufactured from green PE biopolymer. This material has the same outstanding properties as conventional PE and can be recycled. However it is manufactured from renewable raw materials instead of fossils. Green PE therefore helps to reduce CO<sub>2</sub> emissions and protect the environment.

- ▶ With screw connection
- ▶ Manufactured from renewable raw materials
- ▶ Green LDPE



### Narrow-necked bio-bottles PE

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
10	26	47	9	14	0.69	100	0.54	0303-0010	N3
20	32	58	9	14	0.74	100	0.59	0303-0020	N3
50	40	86	13	18	1.10	100	0.85	0303-0050	N3
100	45	106	13	18	1.20	100	0.89	0303-0100	N3
250	60	140	18	25	1.99	100	1.65	0303-0250	N3
500	75	173	18	25	2.88	100	2.18	0303-0500	N3
1000	95	213	21	28	4.36	100	3.04	0303-1000	N3

## Narrow-necked square bottle



Cost-effective square bottle for packing and storing of liquids, powders and granules.

- ▶ HDPE, transparent, shatterproof
- ▶ Special labelling area for labels or manual lettering
- ▶ Leakproof

Narrow-necked square bottle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
20	27 x 27	51	13	18	0.50	100	0.47	0331-0020	N3
50	33 x 34	77	13	18	0.61	100	0.59	0331-0050	N3
100	43 x 43	78	17.5	25	0.77	100	0.70	0331-0100	N3

## Narrow-necked square bottle, screw cap



Cost-effective square bottle for packing and storing of liquids.

- ▶ HDPE, transparent, shatterproof
- ▶ Special labelling area for labels or manual lettering
- ▶ Suitable as a disposable bottle
- ▶ Leakproof
- ▶ With screw cap

**Bulk prices**

Narrow-necked square bottle with screw cap

Capacity ml	L x W mm	Height with cap mm	Thread dia. mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
100	41 x 33	113	18	13	0.68	100	0.61	0332-0100	N3
250	51 x 43	160	25	17.5	0.98	50	0.92	0332-0250	N3
500	68 x 53	182	25	17.5	1.19	50	1.10	0332-0500	N3
1000	89 x 66	230	25	17.5	1.87	50	1.71	0332-1000	N3

### Accessories

Description	Price €	Item no.
Dropper cap fits for thread dia. 18 mm	0.35	0300-3018 N3
Dropper cap fits for thread dia. 25 mm	0.43	0300-3025 N3

## Laboratory bottle PET sterile



Sterile laboratory bottle for use in laboratories and chemical handling areas. Good product presentation due to crystal-clear PET. Space-saving and absolutely leakproof. Ideal for storing and packing liquids.

- ▶ Sterile SAL 10<sup>-3</sup> (according to ISO 11137)
- ▶ PET crystal-clear
- ▶ With tamper-proof closure (HDPE)
- ▶ With moulded-in raised graduation

Laboratory bottle PET sterile

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
125	53 x 53	105	32	1.48	336	1.32	0370-0125	N3
250	64 x 64	132	32	1.65	144	1.49	0370-0250	N3
500	76 x 76	173	32	2.51	120	2.26	0370-0500	N3
1000	96 x 96	212	32	3.39	48	3.11	0370-1000	N3

## UN-Bottle



This bottle reduces packaging costs! UN tested and approved. Bottle made of HDPE, leakproof, complete with PR tamper-evident closure with PTFE seal. The bottles are excellent for packaging purposes, sampling, sending samples, storage and shipping via the postal service.

- ▶ Absolutely leakproof
- ▶ With UN approval for liquids (see page 269)
- ▶ Transparent
- ▶ Bell-shaped caps with or without degassing on request

UN-Bottle

Capacity ml	Height capless mm	Neck dia. inside mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
500	177	29	1H1/X1.9/250	3.80	120	3.36	0304-0500	N3
1000	212	29	3H1/X1.9/250	4.78	64	4.59	0304-1000	N3
2500	282	29	3H1/X1.9/250	8.75	26	8.10	0304-2500	N3

## Narrow-neck reagent bottle



Universal bottles for storing, packing, taking samples, sampling and transport of liquids.

- ▶ HDPE, transparent
- ▶ PP tamper-evident screw cap, blue

**Bulk prices**

### Narrow-neck reagent bottle

Capacity ml	L x W mm	Height capless mm	Thread dia. mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45 x 45	108	32	17	1.75	100	1.63	0340-0100	N3
250	60 x 60	136	32	17	2.14	50	2.08	0340-0250	N3
500	74 x 74	170	32	17	2.52	50	2.40	0340-0500	N3
1000	85 x 85	221	32	17	3.25	72	3.09	0340-1000	N3
2500	122 x 122	272	45	28	8.00	27	7.10	0340-2500	N3





## Wide-neck reagent bottle



The reagent bottle is particularly suited for storing, packing, taking samples, sampling and transport of granules and paste-like media.

- ▶ HDPE, transparent
- ▶ PP tamper-evident screw cap, blue
- ▶ UN approval for bulk goods (see page 269)

**\* Bulk prices**

### Wide-neck reagent bottle


Capacity ml	L x W mm	Height capless mm	Thread dia. mm	Neck dia. inside mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
50	36 x 36	89	28	21	no	1.73	700	1.60	0342-0050	N3
100	45 x 45	101	32	24	UN3H1/X0.3	1.58	582	1.42	0342-0100	N3
250	59 x 59	130	45	35	UN3H1/X0.8	2.27	273	2.06	0342-0250	N3
500	75 x 75	162	54	43	UN3H1/X1.5	2.64	124	2.43	0342-0500	N3
750	83 x 83	188	54	43	UN3H1/X2.5	2.66	90	2.51	0342-0750	N3
1000	85 x 85	214	54	43	UN3H1/X2.5	2.71	81	2.63	0342-1000	N3
1500	108 x 108	209	80	69	UN3H1/X4	4.32	42	3.96	0342-1500	N3
2500	122 x 122	260	80	69	UN3H1/X5	5.75	27	5.05	0342-2500	N3
4000	142 x 142	294	80	69	UN3H1/X5.5	7.10	15	6.45	0342-4000	N3

## Wide-necked bottle | easy to fill and clean, compact form, unbreakable



Sturdy bottle with wide-necked opening and screw cap. Particularly suitable for viscous media, powder, granules and pastes. Leakproof.

- LDPE or PP
- LDPE coloured brown for light-sensitive liquids

 Individual customer-specific printing possible - please ask us!

### Wide-necked bottle

Material	Capacity ml	Colour	Dia. mm	Height mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.
LDPE	50	transparent	40	80	24	32	1.06	100	0.87	0318-0050 N3
LDPE	100	transparent	48	95	24	32	1.40	100	1.04	0318-0100 N3
LDPE	200	transparent	59	114	30	40	1.90	384	1.58	0318-0200 N3
LDPE	250	transparent	64	127	31	40	1.81	50	1.40	0318-0250 N3
LDPE	500	transparent	77	158	39	50	2.97	50	2.25	0318-0500 N3
LDPE	750	transparent	88	176	39	50	4.39	98	3.48	0318-0750 N3
LDPE	1000	transparent	94	207	50	65	4.92	50	3.83	0318-1000 N3
LDPE	1500	transparent	108	232	50	65	7.05	46	5.75	0318-1500 N3
LDPE	2000	transparent	120	252	50	65	7.70	50	5.80	0318-2000 N3
PP	100	transparent	48	95	24	32	1.48	100	1.11	0319-0100 N3
PP	250	transparent	64	127	31	40	2.05	50	1.51	0319-0250 N3
PP	500	transparent	77	158	39	50	3.35	100	2.52	0319-0500 N3
PP	1000	transparent	94	207	50	65	5.55	50	4.21	0319-1000 N3
LDPE	250	brown	64	127	31	40	2.20	50	1.66	0320-0250 N3
LDPE	500	brown	77	158	39	50	3.75	50	2.75	0320-0500 N3
LDPE	1000	brown	94	207	50	65	6.55	50	5.20	0320-1000 N3

## Wide-necked square bottle



Cost-effective square bottle for packing and storing of liquids, powders and granules.

- ▶ HDPE, transparent, shatterproof
- ▶ Special labelling area for labels or manual lettering
- ▶ Leakproof

### Wide-necked square bottle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
250	59 x 59	110.5	30	50	2.55	100	2.10	0338-0250	N3
500	68 x 68	146	30	50	3.11	100	2.61	0338-0500	N3
1000	90 x 90	170	50	65	3.04	50	2.80	0338-1000	N3

## Multi-Bottles with graduation



Bottle for universal use. The medium-sized bottle opening ensures good filling and safe pouring.

- ▶ Bottle HDPE, lid PP
- ▶ Embossed contents scale
- ▶ Absolutely leakproof
- ▶ With screw cap

**Bulk prices**

### Multi-Bottles with graduation

Capacity ml	Container dia. mm	Height capless mm	Neck dia. inside mm	Division ml	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	46	99.5	19	25	25	1.18	20	1.08	0301-0100	N3
250	61	129.5	24	50	28	1.67	20	1.54	0301-0250	N3
500	76	161	30.8	50	40	2.66	20	2.47	0301-0500	N3
1000	97	203	39.2	100	50	4.37	20	4.01	0301-1000	N3

# Sealable wide-necked bottles



Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- HDPE
- Leakproof
- Easy to fill due to wide-necked opening

## Sealable wide-necked bottles

Capacity ml	Container dia. mm	Neck dia. inside mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
250	64	26.5	118	2.56	50	2.21	0322-0250	N3
500	78	40	147	2.64	50	2.30	0322-0500	N3
1000	100	50	186	5.35	50	4.48	0322-1000	N3
2000	120	50	230	6.15	50	5.30	0322-2000	N3

## Accessories

Description	Price €	Item no.
SampleSafe seal, red, 100 pieces	70.55	5399-2902 N4

## Spray bottle with pump vaporizer



**LaboPlast**

Spray bottles with pump vapouriser and safety cap for the pump. Liquids can be finely vapourised at the push of a button in an environmentally compatible way. The transparent bottles make identification of contents easy. The protective cover prevents unintentional pressing of the pump and acts as a dust cover.

- Bottle made of HDPE, spray pump made of PP and stainless steel

### Spray bottle with pump vaporizer

Capacity ml	Dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.
20	28	85	2.14	100	1.91	0309-3002 N3
50	35	110	2.05	100	1.77	0309-3005 N3
100	37	161	1.48	100	1.38	0309-3100 N3
250	50	222	1.74	100	1.61	0309-3025 N3

# Spray bottle



Pressureless spray bottle made of LDPE with long-life hand pump. The functioning of each individual sprayer is tested during manufacture.

Areas of application: Industry, laboratories, production, leisure, household. Suitable for agricultural pesticides and detergents.

- ▶ Media-contacting parts PP, PE and stainless steel
- ▶ Nozzle 0.6 mm diameter, nozzle steplessly adjustable
- ▶ Spray volume per stroke: 1.2 ml  $\pm$  0.1



## Spray bottle

Capacity ml	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.
250	220	18	4.77	180	4.27	0309-1025 N4
500	240	18	5.55	80	4.95	0309-1050 N4
1000	295	17.5	5.55	50	5.10	0309-1100 N4



## Spray bottle Turn 'n' Spray | Spray bottle with overhead valve



- ▶ Uninterrupted spraying, even over your head
- ▶ Parts in contact with media made of PP, PE, silicon and stainless steel
- ▶ Nozzle diameter 0.6 mm, nozzle is continuously adjustable
- ▶ Amount sprayed per stroke: 1.2 ml  $\pm$  0.1

Spraying over your head is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can't spray any more. No so with our overhead spray bottle Turn'n'Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any direction and reach hard-to-access places easily and without straining.

The high-quality, refillable quality spray bottle can be used again and again.

### Spray bottle Turn 'n' Spray

Capacity ml	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.
250	220	18	7.50	180	6.35	0309-0002 N4
500	240	18	8.20	80	7.15	0309-0005 N4
1000	295	17.5	8.60	50	7.65	0309-0010 N4

## Pressure sprayer



The pressure sprayer features rugged industrial quality for use in the chemical and pharmaceutical industry, for example disinfecting, cleaning, plant protection, thin-layer chromatography, technical and sanitary uses.

The practical 360° spray function also allows for upside-down spraying with the Turn'n'Spray pressure sprayer, making it easy to reach even places that are difficult to access. The sprayer can be used for many purposes, such as disinfecting and cleaning, or also for spraying plant protection products.

- ▶ Adjustable spray jet, nozzle diameter 0.8 mm
- ▶ Temperature of the liquid: 0 - 30 ° C
- ▶ Capacity of 1.5 litres
- ▶ Parts in contact with media PE, PP, FKM, V4A
- ▶ Upside-down spray function



### Pressure sprayer

Capacity ml	Container dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1500	140	305	35.35	10	31.70	0309-0100	N4

### Pressure sprayer Turn'n'Spray

Capacity ml	Container dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1500	140	305	42.90	10	38.60	0309-0120	N4

### Accessories

Description	Price €	Item no.	
Spraying lance extension for pressure sprayer, 30 cm	22.55	0309-0101	N4

## Pressure sprayer Food



The food pressure sprayer has a transparent viewing window to make it easy to read the fill level. A rubber-coated ring stand ensures that the sprayer can be set down securely. The built-in safety valve protects against overpressure (max. 3 bar). The adjustable nozzle nut makes it possible to regulate the spray jet individually – from a fine spray mist to a powerful jet. The food-safe spray bottle is specially designed for use in the food industry and is well suited for spraying different media including oils, greases or flavouring substances. It can also be used to easily atomise cleaning and disinfecting agents.

- ▶ Parts in contact with media PE, PP, VMQ, V2A
- ▶ Capacity of 1.2 litres

### Pressure sprayer Food

Capacity ml	Container dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1200	117	315	35.35	10	31.70	0309-0130	N4

## Wide-necked wash bottle



Wash bottle with medium overprint as well as hazard and safety instructions (health statements/physical statements) based on the GHS system with substance name in German, English, French and Spanish, GHS pictograms and CAS number.

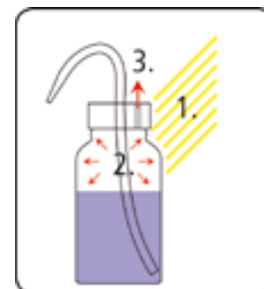
- ▶ Safe filling due to wide-necked opening 39 mm neck diameter
- ▶ LDPE yellow transparent with light protection
- ▶ Contents 500 ml



### Wide-necked wash bottle

Print	Colour	Price €	Quantity scale from	Scale price €	Item no.	
without label - neutral	yellow	7.45	100	6.85	0310-3050	N3
Distilled water	transparent	8.40	100	7.20	0310-3051	N3
Methanol	green	8.40	100	7.20	0310-3052	N3
Ethanol	orange	8.40	100	7.20	0310-3053	N3
Isopropanol	blue	8.40	100	7.20	0310-3054	N3
Acetone	red	8.40	100	7.20	0310-3055	N3

## Safety wash bottle



The vapour-permeable membrane reliably prevents leaking of the contents.

If the room temperature increases, or the sun shines into the lab, conventional wash bottles will drip because of the increased inner pressure. The venting valve ensures that the excess pressure can escape and dripping is prevented. With leakproof venting valve, contents cannot leak when bottle has fallen over as with wash bottles with ball valve or venting hole.

- ▶ Safe filling due to wide-necked opening 39 mm neck diameter
- ▶ Permanent print according to GHS with substance name in German, English, French and Spanish, GHS pictograms and CAS number
- ▶ LDPE yellow transparent with light protection
- ▶ Contents 500 ml



### Safety wash bottle

Print	Colour	Price €	Quantity scale from	Scale price €	Item no.	
without label - neutral	yellow	9.70	12	8.75	0310-2056	N3
Distilled water	transparent	9.70	12	8.75	0310-2050	N3
Methanol	green	9.70	12	8.75	0310-2052	N3
Ethanol	orange	9.70	12	8.75	0310-2054	N3
Isopropanol	blue	9.70	12	8.75	0310-2055	N3
Acetone	red	9.70	12	8.75	0310-2051	N3

## Wash bottle



The swan-neck jet produces a fine, straight spray with no lateral spatter. Dangerous lateral spatter does not occur.

- ▶ LDPE
- ▶ Transparent
- ▶ Immersion tube can be pulled up



### Wash bottle

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45	200	1.61	100	1.47	0310-0010	N3
250	61	225	2.17	100	2.03	0310-0025	N3
500	75	270	2.83	100	2.59	0310-0050	N3
1000	98	315	4.65	50	4.24	0310-0100	N3

## Dropping bottles | for controlled dosing drop by drop



**Bulk prices**

Dropping bottles are particularly suitable for liquids which must be dispensed in small amounts, drop by drop or as a fine jet.

- ▶ Cut off dropper tip before first use
- ▶ Can be reclosed using the captive cap provided
- ▶ LDPE
- ▶ Captive cap and dropper cap PE



### Dropping bottles

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
10	26	76	9	14	0.52	100	0.49	0306-0010	N3
20	32	88	9	14	0.57	100	0.55	0306-0020	N3
30	35	96	9	14	0.70	50	0.63	0306-0030	N3
50	40	116	13	18	0.88	50	0.84	0306-0050	N3
100	45	136	13	18	0.96	25	0.92	0306-0100	N3
250	61	170	18	25	1.68	25	1.61	0306-0250	N3
500	75	204	18	25	2.50	20	2.39	0306-0500	N3
1000	95	248	21	28	3.75	10	3.60	0306-1000	N3

## Drop-Boy



Bottle with drop dispenser and separate screw cap.

- ▶ Cut off dropper tip before first use
- ▶ Reclosable
- ▶ Precise drop dosing

### Drop-Boy

Capacity ml	Dia. mm	Height capless mm	Price €	Quantity scale from	Scale price €	Item no.	
10	24	50	0.71	100	0.62	0307-0010	N3
25	31.3	64.5	0.91	100	0.81	0307-0025	N3
50	40	77	1.03	100	0.94	0307-0050	N3



## Bottle carrier



For 6 bottles up to max. 95 mm Ø.

- ▶ PP
- ▶ Suitable for food

### Bottle carrier

No. of bottles	Container dia. mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
6	95	310x210x305	12.00	10	11.05	0361-0006	N3

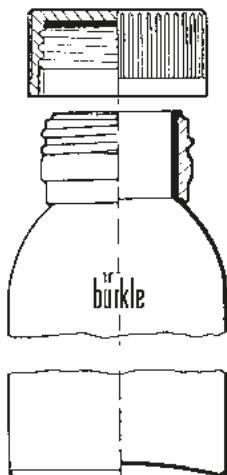


### Bottle carrier box

No. of bottles	Container dia. mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
8	95	420x300x210	25.70	10	23.40	0361-0008	N3



## Aluminium bottle | light, unbreakable, seamless



The aluminium bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odour-neutral, impervious to light, rustproof.

- ▶ Pure aluminium (material AL 99.5)
- ▶ With tamper-evident screw cap made of PP with aluminium inner seal
- ▶ Suitable for food (exception: highly acidic and salt-containing foods)
- ▶ With UN approval (for 60–5600 ml) (see page 269)



Aluminium bottle

Capacity ml	Dia. mm	Height with cap mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.
38	35	70	no	1.55	387	1.41	0327-0038 N3
60	40	88	1B1/X/250	1.69	304	1.54	0327-0060 N3
120	57	97	1B1/X/250	2.04	143	1.82	0327-0120 N3
300	57	160	1B1/X/250	2.70	149	2.64	0327-0300 N3
600	74	192	1B1/X/250	3.92	84	3.83	0327-0600 N3
1200	88	248	1B1/X/250	4.65	60	4.43	0327-1200 N3
3000	161	215	1B1/X/250	15.95	168	14.65	0327-3000 N3
5600	161	340	1B1/X/250	19.00	168	17.50	0327-5600 N3





## Transport bottle aluminium UN | UN-approval for dangerous goods



The UN code is printed onto the bottles in black.



With tamper-evident screw cap made of PP with aluminium inner seal.



Aluminium transport bottles with screw cap close safely and tightly and are approved for packaging type I (X). The UN code is printed onto the bottles in black.

- Pure aluminium (material AL 99.5)
- UN approved (see page 269)
- With eyelets, sealable

### Transport bottle aluminium UN

Capacity ml	Dia. mm	Height mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
125	50	105	1B1/X/250	16.75	10	15.00	0329-0125	N3
250	65	140	1B1/X/250	19.65	88	17.90	0329-0250	N3
500	80	145	1B1/X/250	24.05	54	22.15	0329-0500	N3
1250	100	205	1B1/X/250	26.10	35	23.75	0329-1250	N3



## Tubes with screw cap



Shapely packing container with screw cap. Emptying without residues because there are no crevices, cost-effective.

- ▶ PP, white
- ▶ Sterilisable

## Wide-necked boxes, round



Wide-necked containers with very good shatter resistance for convenient filling. Particularly suited for storing or shipping powders and granules.

- ▶ HDPE, transparent, shatterproof
- ▶ Screw lid made of PP with seal made of PE

**Bulk prices**

### Tubes with screw cap

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
12	25	31	0.22	100	0.19	6214-0012	N3
25	31	40	0.33	100	0.28	6214-0025	N3
60	41	56	0.58	100	0.47	6214-0060	N3
90	52	52	0.65	100	0.53	6214-0090	N3
125	52	67	0.74	100	0.58	6214-0125	N3
250	68	79	1.21	100	0.95	6214-0250	N3
625	90	113	1.31	70	1.06	6214-0600	N3
1000	102	129	3.25	80	2.53	6214-1000	N3

### Wide-necked boxes, round

Capacity ml	Dia. mm	Neck dia. inside mm	Height capless mm	Price €	Quantity scale from	Scale price €	Item no.	
100	48	31	77	1.44	100	1.28	6282-0100	N3
250	65	41	98	2.10	100	1.83	6282-0250	N3
500	80	53	122	2.66	100	2.38	6282-0500	N3
750	94	53	130	3.00	108	2.91	6282-0750	N3
1000	100	67	153	3.32	75	3.21	6282-1000	N3
1500	114	67	173	4.32	48	3.87	6282-1500	N3
2000	126	67	192	5.35	40	4.86	6282-2000	N3

## Wide-necked boxes, square shaped | clear or brown material



The wide opening of the container enables easy filling with liquid, powder or granules such as tablets, capsules, dyes, shipments of samples, specimens etc. Also suitable for gift packages and hobby articles. For light-sensitive material, brown transparent wide-necked containers are particularly suited.

- ▶ PETG crystal-clear
- ▶ PVC highly transparent or brown transparent
- ▶ Screw lid PP, black, seal made of PE

### Wide-necked boxes, square shaped

Material	Capacity ml	Length mm	Width mm	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
PETG crystal clear	50	38	38	63	23	1.10	162	1.03	0357-0050	N3
PETG crystal clear	100	46	46	75	31	1.29	80	1.16	0357-0100	N3
PETG crystal clear	200	59	59	91	41	1.97	100	1.79	0357-0200	N3
PETG crystal clear	500	80	80	111	54	2.89	100	2.62	0357-0500	N3
PETG crystal clear	1000	95	95	152	69	3.76	96	3.63	0357-1000	N3
PVC highly transparent	50	38	38	63	23	0.92	162	0.81	0355-0050	N3
PVC highly transparent	100	46	46	75	31	1.05	80	1.00	0355-0100	N3
PVC highly transparent	200	59	59	91	41	1.59	100	1.45	0355-0200	N3
PVC highly transparent	300	66	66	98	41	1.75	100	1.62	0355-0300	N3
PVC highly transparent	500	80	80	111	54	2.30	100	2.12	0355-0500	N3
PVC highly transparent	750	92	92	120	69	2.75	114	2.54	0355-0750	N3
PVC highly transparent	1000	95	95	152	69	3.08	96	2.83	0355-1000	N3
PVC highly transparent	2000	120	120	190	69	5.05	44	4.58	0355-2000	N3
PVC amber transparent	100	46	46	75	31	1.04	80	0.95	0356-0100	N3
PVC amber transparent	200	59	59	91	41	1.58	100	1.44	0356-0200	N3



## All-purpose tubes with screw cap



Contents can be recognised easily due to the transparent sides. Emptying without residues.

- ▶ PP, transparent, screw lid PP
- ▶ No crevices

## All-purpose boxes, square



Box for storing, packing, taking samples, sampling and transport of pastes, granules, powders, soil samples and frozen goods (-40 °C up to briefly +95 °C). Ideal use of space, can be stacked. Complete with press-in lid.

- ▶ PE, transparent
- ▶ Can be deep frozen
- ▶ No crevices

## All-purpose boxes, round



### All-purpose tubes with screw cap; transparent



Capacity ml	Container dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
250	104	50	4.01	25	3.57	6202-0250	N3
500	104	100	5.20	14	4.72	6202-0500	N3
1000	125	126	9.25	12	8.60	6202-1000	N3

### All-purpose boxes, square shaped



Capacity ml	L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
500	103 x 103 x 64	2.30	20	2.11	6250-0500	N3
1000	103 x 103 x 127	3.57	16	3.11	6250-1000	N3
1000	208 x 103 x 64	4.37	18	3.96	6250-1001	N3
1500	208 x 103 x 94	5.85	20	5.30	6250-1500	N3
2000	208 x 208 x 64	8.00	20	7.00	6250-2000	N3
2000	255 x 103 x 94	7.10	20	6.45	6250-2300	N3
3200	208 x 208 x 94	8.75	14	8.10	6250-3300	N3

### All-purpose boxes, round



Capacity ml	Outer dia. bottom mm	Outer dia. top mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
250	60	78	90	2.81	60	2.57	6210-0250	N3
500	75	95	127	3.18	24	2.91	6210-0500	N3
1000	118	136	110	4.17	20	3.69	6210-1001	N3
2000	148	169	143	6.55	25	6.00	6210-2000	N3

## Sample boxes, aseptic



Sample box with tightly closing sealing cover. The lid can be opened with one hand and its hinge angle is 90°. Liquid/condensate in the lid runs into an absorbing groove integrated in the lid, nothing is lost, nothing can drip. The box is completely tight, has no crevices, is therefore easy to fill and can be emptied without residues. The sample box is produced under aseptic conditions. It is autoclavable and suitable for deep freezing.

- ▶ PP, transparent
- ▶ Aseptic
- ▶ With area for labelling and with graduation

**\* Bulk prices**

### Sample boxes, aseptic

Capacity ml	Height mm	Dia. mm	Model	Price €	Quantity scale from	Scale price €	Item no.	
50	78	31	with labelling area and graduation	0.36	650	0.34	6206-0060	N3
90	80	43	with labelling area and graduation at 80 ml	0.41	350	0.38	6206-0100	N3
300	88	75	graduated	1.05	240	0.98	6206-0300	N3



## Sample tubes aseptic, with seal



The sample boxes are manufactured in the cleanroom and sealed in the injection moulding machine at over 100 °C, so that the insides of the boxes are virtually sterile. This method makes the boxes absolutely leakproof, as the cap and box adapt ideally to each other during the cooling process. No crevices, therefore easy to fill and can be emptied without residues. With tamper-evident seal which guarantees virtual sterility until the first opening. After opening, it can be sealed again with a practical seal.

- ▶ PP, transparent
- ▶ Aseptic
- ▶ 340 ml tube with graduation
- ▶ Sealable

### Sample tubes aseptic, with seal

Capacity ml	Height mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
55	84	29	0.39	90	0.37	6207-0055	N3
340	119	63	0.68	90	0.59	6207-0340	N3

## Sample beaker with cover



Sample beaker with liquid-tight red screw-on cover. The sample beakers are aseptic and suitable for use with food. The beakers can be autoclaved without the cover.

- ▶ PP beaker, LDPE cover
- ▶ Temperature resistance of beaker -20 °C/+120 °C, cover -80 °C/+75 °C
- ▶ Aseptic

### Sample beaker with cover

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
125	52	74	0.91	380	0.73	7103-0125	N3



# DispoDipper



Sampling tube manufactured in a clean room specially designed for disposable use. Due to the blue colour, it is also perfect for use in the food, animal feed and pharmaceutical industries. The scaled sample container can be used for an exact measurement. After sampling, the container can be closed and is leakproof. The closed handle structure ensures secure handling.

The sample container is available with 50 ml, 100 ml or 250 ml content. Depending on the design, container openings can be sampled from a diameter of 52 mm (2" barrel opening), 65 mm or 85 mm. This makes DispoDipper ideal for extracting samples from barrels, canisters and other containers.

DispoDipper is completely manufactured in one piece and can be used for sampling and subsequent transport of the sample in one device. In this way, cross-contamination or sample impurities are impossible.

- ▶ PP, blue transparent
- ▶ Individually packaged and optionally sterilised by gamma rays
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Scaled sampling tube volume in ml and oz.
- ▶ Immersion depth 270 mm

## Use

1. For sampling, first unpack the sampler and detach the cover at the predetermined breaking point from the handle.
2. Afterwards extract the sample using the sample container and securely close with the cover.
3. After sampling, the handle at the predetermined breaking point can be detached from the sample container. This allows for easy and space-saving transport of the sample.



## DispoDipper

Capacity ml	Model	Dia. mm	Height with cap mm	Total length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
50	standard	40	98	417	20	19.70	7	18.75	5393-7000	N4
50	sterilised	40	98	417	20	25.40	7	24.15	5393-7001	N4
100	standard	53	98	415	20	28.30	5	26.85	5393-7010	N4
100	sterilised	53	98	415	20	36.05	5	34.25	5393-7011	N4
250	standard	72	116	429	20	32.10	3	30.50	5393-7020	N4
250	sterilised	72	116	429	20	40.90	3	38.85	5393-7021	N4

## Compact jerrycan | for more content on less shelf width



①

**LaboPlast**



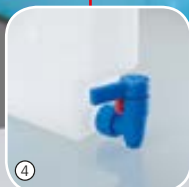
YouTube



②



③



④

The compact jerrycan is ideal as a space-saving canister with its width of 6.5 cm or 12.5 cm.

Different liquids can be stored and decanted in a small space. The compact jerrycan can also be stored lying on its side e. g. in a refrigerator. It is very stable due to ribbed structure and thick sides.

Using the support stand (only for 5 l canister) for two or three canisters, any number of canisters can safely be placed in the open. The compact jerrycan can also be used as a settling canister.

## Compact jerrycan | for more content on less shelf width



- ▶ With or without threaded connector 3/4"
- ▶ PP, transparent
- ▶ With tamper-proof closure
- ▶ Canister without stopcock and closure autoclavable
- ▶ With moulded, indestructible litre graduation
- ▶ Canister support made of aluminium for secure stand as accessory (only for 5 l canister)
- ▶ Spigot StopCock with rotatable discharge angle and Compact spigot, which fits canisters equipped with glands with threads 3/4", available as accessory

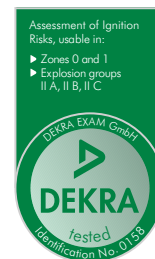
### Compact jerrycan

Model	Capacity l	Width mm	Depth mm	Height mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.
without threaded connector	5	65	335	335	41	28.45	10	25.60	0435-1050 N4
with threaded connector 3/4"	5	65	335	335	41	30.35	10	27.20	0435-2050 N4
without threaded connector	10	125	335	335	41	34.45	10	31.70	0435-1100 N4
with threaded connector 3/4"	10	125	335	335	41	36.60	10	33.65	0435-2100 N4

### Accessories

Description	Price €	Item no.
① Support stand for two compact jerrycans (only for 5 l canister)	21.30	0435-9102 N4
① Support stand for three compact jerrycans (only for 5 l canister)	22.60	0435-9103 N4
② Venting valve in screw cap	12.95	0435-9200 N4
③ StopCock angled (see page 42)	20.30	0525-1000 N4
④ Compact spigot (see page 43)	13.50	0530-1000 N4
Closure cap 3/4"	5.40	0600-0090 N4
⑤ Set consisting of one compact jerrycan 5 l and one spigot Compact	39.25	0435-3000 N4
⑥ Set consisting of one compact jerrycan 10 l and one spigot Compact	45.35	0435-3010 N4
⑦ Set consisting of one compact jerrycan 5 l and one spigot StopCock	47.40	0435-0001 N4
⑧ Set consisting of one compact jerrycan 10 l and one spigot StopCock	53.50	0435-0010 N4

## Compact jerrycan, electroconductive



The compact jerrycan, made of electrically conductive HDPE, is especially well suited for use in explosion-proof areas. With a specific surface resistance of  $<10^5$  ohms, the canister has a very high electrical conductivity. When correctly earthed, it prevents the danger of ignition due to an accumulation of electrostatic charge. The canister thus helps to meet the requirements of the ATEX 137, TRBS2153 and CENELEC 50404 guidelines. The plastic industrial canister is non-rusting and can be disposed of with no problems in the recycling system. It can be used for dispensing and storing combustible and highly flammable liquids of explosion groups IIA, IIB and IIC, such as laboratory waste in industrial applications or mining. Due to its narrow width of 6.5 cm or 12.5 cm, the space-saving canister requires very

little room, making it suitable for use in very confined spaces. The ribbed structure and thick sides make it very stable and also allow for flat storage. The handle ensures secure handling and easy transport. For the version with 3/4" threaded connector, a stop cock can be mounted, for example the StopCock PA, which is electrically conductive (see page 45).

- ▶ HDPE, black, anti-static
- ▶ With or without threaded connector 3/4"
- ▶ Canister support made of aluminium for secure stand as accessory (only for 5 l canister)

**⚠ Caution!** When working with combustible liquids, the canister must be earthed! Use anti-static set!

### Compact jerrycan, electroconductive

Model	Capacity l	Width mm	Depth mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
without threaded connector	5	65	335	335	43.70	10	40.25	0435-1055	N4
without threaded connector	10	125	335	335	58.10	10	53.45	0435-1105	N4
with threaded connector 3/4"	5	65	335	335	45.65	10	42.00	0435-2055	N4
with threaded connector 3/4"	10	125	335	335	60.00	10	55.25	0435-2105	N4

### Accessories

Description	Price €	Item no.
Anti-static set	46,45	5602-1000 N4

## Electrically conductive canister with UN approval

Canister made of electrically conductive HDPE for preventing ignition sources. The canisters are capable of diverting a charge (surface resistance  $<10^9$  ohms) and can be earthed, which makes them suitable for use with flammable liquids.

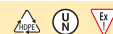
- ▶ HDPE, capable of diverting a charge
- ▶ With carrying handle and screw cap
- ▶ With UN approval for transport (see page 269)
- ▶ Stackable

**⚠ Caution!** When working with combustible liquids, the canister must be earthed! Use anti-static set!



### Electrically conductive canister with UN approval

Capacity l	L x W x H mm	UN approval	Thread	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
10	300 x 200 x 258	3H1/Y1.5/200	DIN 61	770	28.60	16	26.30	1428-0010	N4
20	300 x 200 x 495	3H1/Y1.5/150	DIN 61	1320	39.35	10	36.25	1428-0020	N4
30	364 x 240 x 455	3H1/Y1.5/150	DIN 61	1350	46.45	5	42.05	1428-0030	N4



# Jerrycans



Screw lid with drain cock on jerrycan, accessory

Canister for storage or transport. Canister with UN transport approval and tamper-evident seal.

- ▶ HDPE
- ▶ With UN approval for transport (see page 269)
- ▶ Screw lid with drain cock available as accessory

**Bulk prices**

## Jerrycans

Capacity l	L x W x H mm	Weight g	Neck dia. inside mm	Thread	Colour	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
2.5	153 x 115 x 208	125	34.8	DIN45	transparent	3H1/Y1.6/150	3.60	25	3.23	1427-0002	N3
5	190 x 145 x 251	250	40.5	DIN50	transparent	3H1/X1.9/250	5.55	16	4.98	1427-0005	N3
10	230 x 190 x 310	450	40.5	DIN50	transparent	3H1/X1.9/250	6.95	10	6.20	1427-0010	N3
20	290 x 246 x 385	950	48.5	DIN60	blue	3H1/X1.9/250	18.45	6	16.90	1427-0020	N3
30	320 x 284 x 435	1250	48.5	DIN60	blue	3H1/X1.9/250	26.60	6	24.10	1427-0030	N3

## Accessories

Description	Price €	Item no.
Screw closure DIN45 with spigot for jerrycans	7.05	1427-9101 N3
Screw closure DIN50 with spigot for jerrycans	7.75	1427-9102 N3
Screw closure DIN60 with spigot for jerrycans	8.55	1427-9100 N3
Original screw cap DIN45	0.58	1427-9107 N3
Original screw cap DIN50	0.61	1427-9105 N3
Original screw cap DIN60	1.24	1427-9106 N3



## Wide-necked jerrycans with/without threaded connector

Wide-necked canister with extremely wide filling opening (88 mm), easy to clean on the inside, which is particularly important when storing sensitive substances. Carrying handles and screw lid guarantee safe and convenient transport. The wide-necked canister can also be used as a settling canister. Via a threaded connector just above the base, a spigot or other accessories with an inner thread of 3/4" can be attached.

- ▶ HDPE, transparent
- ▶ UV stabilised
- ▶ Self-adhesive blue litre graduation and spigots available as accessory



### Wide-necked jerrycans with/without threaded connector

Model	Capacity l	Width mm	Depth mm	Height mm	Ventilation dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
without threaded connector	5	130	290	280	18	26.90	6	24.05	0431-0005	N3
without threaded connector	10	137	310	400	18	38.30	5	34.60	0431-0010	N3
without threaded connector	20	165	365	485	-	59.95	3	53.90	0431-0020	N3
without threaded connector	30	240	365	485	-	75.35	2	66.00	0431-0030	N3
with threaded connector 3/4"	5	130	290	280	18	34.60	6	31.00	0431-1005	N3
with threaded connector 3/4"	10	137	310	400	18	49.55	5	45.35	0431-1010	N3
with threaded connector 3/4"	20	165	365	485	-	74.15	3	65.05	0431-1020	N3
with threaded connector 3/4"	30	240	365	485	-	88.90	2	79.40	0431-1030	N3

### Accessories

Description	Price €	Item no.
Graduation for wide-necked jerrycans 5 l	5.75	0431-9051 N3
Graduation for wide-necked jerrycans 10 l	5.75	0431-9011 N3
Graduation for wide-necked jerrycans 20 l	5.75	0431-9021 N3
Graduation for wide-necked jerrycans 30 l	5.75	0431-9031 N3
StopCock angled (see page 42)	20.30	0525-1000 N4
Compact spigot (see page 43)	13.50	0530-1000 N4
Closure cap 3/4"	5.40	0600-0090 N4

## Storage bottles, with/without threaded connector

Robust storage bottle with particularly thick sides with sturdy carrying handle for safe transport and storage. Blue litre graduation printed on. The venting valve (accessory) lets air into the container in order to prevent a vacuum in the bottle. The canister can also be used as a settling canister. Via a threaded connector, a spigot or other accessories with an inner thread/cap nut of 3/4" can be attached.

- ▶ HDPE
- ▶ Bottle opening diameter 50 mm



### Storage bottles, with/without threaded connector

Model	Capacity l	Container dia. mm	Height capless mm	Handles	Price €	Quantity scale from	Scale price €	Item no.	
without threaded connector	5	167	330	1	27.90	11	25.25	0401-0005	N3
without threaded connector	10	206	427	1	37.45	6	34.00	0401-0010	N3
without threaded connector	25	278	580	2	77.45	5	70.70	0401-0025	N3
without threaded connector	60	346	830	2	149.30	4	136.75	0401-0060	N3
with threaded connector	5	167	330	1	38.30	11	34.90	0402-0005	N3
with threaded connector	10	206	427	1	47.95	6	43.20	0402-0010	N3
with threaded connector	25	278	580	2	88.50	5	81.45	0402-0025	N3
with threaded connector	60	346	830	2	153.35	4	142.30	0402-0060	N3

### Accessories

Description	Price €	Item no.
Ventilation seal for storage bottles	19.00	0401-9100 N3
① StopCock angled (see page 42)	20.30	0525-1000 N4
② Compact spigot (see page 43)	13.50	0530-1000 N4

## Universal storage containers



Practical storage containers with closed gripping edges for safe transport of pourable or liquid contents. Rounded inner edges and smooth inner surfaces for easy cleaning enable use in the foodstuffs/hygiene sector.

- HDPE, white
- Can be stacked

**⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!**

### Universal storage containers

Capacity l	Outer dimension of rim L x W x H mm	Inner dimension L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.
29	660x450x130	600x400x120	30.90	10	28.25	3418-0129 N2
48	660x450x220	600x400x210	43.90	10	39.95	3418-0148 N2
94	660x450x410	600x400x400	66.15	10	59.95	3418-0194 N2

### Accessories

Description	Price €	Item no.
Lid for universal storage containers, PS white	20.50	3418-0001 N2

## Storage and stacking containers



Lids for storage and stacking containers

Stable storage containers made of durable PP with external reinforcement ribs.

- Temperature resistant from -40 °C to +90 °C
- According to Euro standards
- Lid and transport rollers available as accessory



Transport roller

### Storage and stacking containers

Capacity l	Outer dimension of rim L x W x H mm	Inner dimension L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.
11	400 x 300 x 120	367 x 267 x 116	18.30	10	16.80	3414-0111 N2
17	400 x 300 x 180	367 x 267 x 176	22.35	10	20.50	3414-0117 N2
23	400 x 300 x 220	367 x 267 x 216	29.70	10	26.25	3414-0120 N2
23	600 x 400 x 120	567 x 367 x 114	29.65	10	27.05	3414-0123 N2
38	600 x 400 x 180	567 x 367 x 176	37.75	10	34.20	3414-0138 N2
45	600 x 400 x 220	567 x 367 x 216	42.95	10	39.15	3414-0148 N2
64	600 x 400 x 320	567 x 367 x 316	50.10	10	45.60	3414-0164 N2
80	600 x 400 x 420	567 x 367 x 416	56.70	10	51.55	3414-0181 N2

### Accessories

Description	Price €	Item no.
Lid for storage/stacking containers 400 x 300 mm	11.40	3414-0001 N2
Lid for storage/stacking containers 600 x 400 mm	18.65	3414-0002 N2

### Transport trolley for containers

Model	Price €	Quantity scale from	Scale price €	Item no.
for 600 x 400 mm	84.75	10	77.00	3414-9900 N2

# Disposal kegs, wide-mouth containers



Wide-necked container for disposal or storage of powders, granulates and liquids. Can be closed tightly and sealed. The containers have an UN transport approval for solids.

- ▶ HDPE
- ▶ Temperature resistant from -20 °C to +80 °C
- ▶ UN transport approval for solids 1H2/X (see page 269)

## Disposal kegs, wide-mouth containers

Capacity l	Container dia. mm	Height with cap mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
3,6	198	171	136	16.30	10	14.85	1105-0003	N3
6	198	263	136	21.10	10	19.10	1105-0006	N3
10	274	238	203	29.30	10	28.85	1105-0010	N3
26	316	425	203	48.85	10	44.25	1105-0026	N3
34	338	449	295	55.45	10	50.65	1105-0033	N3

## Accessories

Description	Price €	Item no.
SampleSafe seal, red, 100 pieces	70.55	5399-2902 N4

# Wide-mouth containers with handle



Container with 2.3 l and 4.4 l contents and particularly wide opening. Therefore ideal for filling with bulk goods of all kinds. Products such as spices, tea, granulates can be packaged, stored or displayed as samples in these containers. Space-saving square shape.

- ▶ Safe handling with integral handle
- ▶ Transparent polyethylene provides good view of contents.
- ▶ Leakproof wide-necked lid
- ▶ 0317-2300 with tamper-evident screw cap made of blue PP, 0317-4400 with screw cap made of LDPE

## Wide-mouth containers with handle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
2300	135 x 135	192	68.5	80	9.35	36	8.75	0317-2300	N3
4400	142 x 142	263	109	120	11.60	52	11.10	0317-4400	N3

## Wide-mouth containers, HDPE



Storage or transport container made of HDPE. For liquids, powders or granules.

Keep the container upright when transporting liquids!

### Wide-mouth containers, HDPE

Capacity l	Container dia. mm	Height with cap mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.		
5	192	250	110	26.70	14	25.75	1406-1005	N3	
10	232	325	110	37.20	6	36.05	1406-1010	N3	

## Tubs, round



Tub for every purpose, with strong edge and practical carrying handles for safe transport. A lid can be delivered for every tub.

- ▶ Tub made of HDPE
- ▶ Temperature resistant from -30 °C to +70 °C
- ▶ Suitable for food
- ▶ High degree of chemical resistance

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Tubs, round

Capacity l	Dia. top/below x H mm	Price €	Item no.		
40	370/330 x 440	48.15	3482-0040	N3	
50	370/330 x 555	57.35	3482-0050	N3	
75	460/400 x 535	68.80	3482-0075	N3	
110	460/420 x 710	143.90	3482-0110	N3	

### Accessories

Description	Price €	Item no.
Lids for tubs, round, for 370 mm dia.	11.70	3482-0401 N3
Lids for tubs, round, for 460 mm dia.	26.50	3482-0751 N3

## Mixing/dosing container



The containers close completely tight. They have thick sides, they are seamless, impact resistant and stressfree sintered. The wide-necked opening enables safe filling.

- ▶ LDPE
- ▶ With 3/4" inner thread at the container base
- ▶ Suitable for food

Note the "List of Chemical Resistance"!

### Mixing/dosing container

Capacity l	Dia. mm	Height mm	Opening dia. mm	Division l	Price €	Item no.				
60	450	620	132	10	152.15	3460-0060	N2			
100	450	800	160	10	205.70	3460-0100	N2			
200	550	1020	155	20	329.05	3460-0200	N2			
500	815	1230	160	50	630.50	3460-0500	N2			

## Containers, rectangular and round shaped

b LaboPlast



Container for various applications. Produced seamlessly and stress-relieved with the LaboPlast® sintering method. The wall thickness increases downwardly. This guarantees optimum ratio of wall thickness to filling load. The containers are also colored black for UV-protection and are available in other wall thicknesses. Custom-made, exchange excluded.

- ▶ L-LDPE (linear LDPE), transparent
- ▶ Rupture-proof

We will mount the container connector directly into the container for you. The thread connectors are possible anywhere. Please state the exact position on the container, if applicable.

### Container thread

Model	Thread	Price €	Item no.
Container thread	3/4"	50.20	3440-0034 N2

### Accessories

Description	Price €	Item no.
StopCock angled (see page 42)	20.30	0525-1000 N4
Compact spigot (see page 43)	13.50	0530-1000 N4



## Containers, rectangular

Capacity l	Inner dimension L x W x H mm	Wall thickness mm	Price €	Item no.	
13	220 x 220 x 410	5	113.10	3440-0135	N2
23	540 x 370 x 130	5	132.85	3440-0235	N2
40	390 x 190 x 620	5	151.00	3440-0405	N2
45	600 x 600 x 165	5	155.85	3440-0455	N2
48	400 x 400 x 300	5	145.05	3440-0485	N2
50	1000 x 320 x 160	5	151.05	3440-0505	N2
56	315 x 315 x 635	5	164.90	3440-0565	N2
70	460 x 310 x 570	5	181.55	3440-0705	N2
85	600 x 340 x 480	5	198.40	3440-0855	N2
90	600 x 400 x 410	6	215.10	3440-0906	N2
100	780 x 460 x 320	6	230.40	3440-1006	N2
115	500 x 400 x 600	6	244.10	3440-1156	N2
118	600 x 250 x 820	6	260.50	3440-1186	N2
130	710 x 330 x 560	6	259.35	3440-1306	N2
150	600 x 400 x 630	6	276.10	3440-1506	N2
155	600 x 500 x 560	6	290.05	3440-1556	N2
165	780 x 500 x 420	6	283.90	3440-1656	N2
190	600 x 400 x 800	6	328.00	3440-1906	N2
250	1000 x 600 x 450	6	388.95	3440-2506	N2
260	800 x 600 x 600	7	457.80	3440-2607	N2
285	600 x 600 x 820	7	478.90	3440-2857	N2
320	1000 x 400 x 800	7	520.10	3440-3207	N2
400	860 x 560 x 840	7	594.70	3440-4007	N2

## Lid for containers, rectangular

Model	Price €	Item no.
for 13 l container	68.20	3440-0131 N2
for 23 l container	141.35	3440-0231 N2
for 40 l container	94.30	3440-0401 N2
for 45 l container	186.90	3440-0451 N2
for 48 l container	128.80	3440-0481 N2
for 50 l container	199.95	3440-0501 N2
for 56 l container	108.40	3440-0561 N2
for 70 l container	127.95	3440-0701 N2
for 85 l container	152.05	3440-0851 N2
for 90 l container	148.75	3440-0901 N2
for 100 l container	190.30	3440-1001 N2
for 118 l container	135.95	3440-1181 N2
for 130 l container	163.30	3440-1301 N2
for 150 l container	158.35	3440-1501 N2
for 155 l container	174.40	3440-1551 N2
for 165 l container	202.60	3440-1651 N2
for 190 l container	158.35	3440-1901 N2
for 250 l container	268.55	3440-2501 N2
for 260 l container	222.40	3440-2601 N2
for 285 l container	199.95	3440-2851 N2
for 320 l container	247.95	3440-3201 N2
for 400 l container	249.15	3440-4001 N2

## Containers, round shaped

Capacity l	Inner dia. mm	Height mm	Wall thickness mm	Price €	Item no.	
14	245	325	5	103.90	3490-0144	N2
25	310	390	5	113.10	3490-0254	N2
30	310	430	5	116.15	3490-0305	N2
35	320	530	5	125.10	3490-0355	N2
50	410	480	5	135.60	3490-0505	N2
55	310	915	5	151.05	3490-0555	N2
60	410	530	5	139.35	3490-0605	N2
80	430	590	5	151.05	3490-0805	N2
85	390	710	5	153.55	3490-0855	N2
100	470	680	5	170.90	3490-1005	N2
110	540	540	6	181.30	3490-1106	N2
120	470	720	6	188.85	3490-1206	N2
145	600	510	6	194.80	3490-1456	N2
150	550	730	6	218.85	3490-1506	N2
160	460	1020	6	228.95	3490-1606	N2
180	540	820	6	236.60	3490-1806	N2
200	560	840	6	245.70	3490-2006	N2
205	800	440	6	253.30	3490-2056	N2
210	540	950	6	263.75	3490-2106	N2
250	550	1040	6	290.05	3490-2506	N2
290	740	770	6	346.10	3490-2906	N2
300	690	830	6	335.75	3490-3006	N2
400	760	1050	6	513.60	3490-4006	N2
850	970	1170	7	942.50	3490-8507	N2

## Lid for containers, round shaped

Model	Price €	Item no.
for 14 l container	62.95	3490-0141 N2
for 25 l container	62.95	3490-0251 N2
for 30 l container	66.40	3490-0301 N2
for 35 l container	73.50	3490-0351 N2
for 50 l container	73.50	3490-0501 N2
for 55 l container	61.75	3490-0551 N2
for 60 l container	72.20	3490-0601 N2
for 80 l container	73.50	3490-0801 N2
for 85 l container	72.20	3490-0851 N2
for 100 l container	73.50	3490-1001 N2
for 110 l container	91.90	3490-1101 N2
for 120 l container	72.20	3490-1201 N2
for 145 l container	91.40	3490-1451 N2
for 150 l container	89.75	3490-1501 N2
for 160 l container	73.50	3490-1601 N2
for 180 l container	91.40	3490-1801 N2
for 200 l container	89.75	3490-2001 N2
for 205 l container	139.70	3490-2051 N2
for 210 l container	89.75	3490-2101 N2
for 250 l container	89.75	3490-2501 N2
for 290 l container	110.10	3490-2901 N2
for 300 l container	110.10	3490-3001 N2
for 400 l container	110.10	3490-4001 N2
for 850 l container	247.95	3490-8501 N2

## Safety jerrycans stainless steel



- ▶ 0.8 mm sides
- ▶ Handles made of solid stainless steel
- ▶ Closure thread 1 ½"
- ▶ Seals made of PTFE
- ▶ Accredited for UN-transport according to ADR, RID, IMDG Code, ICAO-TI, GGVSEB, GGVSee

Safety canister for transport and storage made of stainless steel AISI 316 Ti (1.4571) for 5 l and 10 l canisters and AISI 304 (1.4301) for 20 l canisters. Protection from exploding through flame protection and excess pressure valve. The containers have a high degree of chemical resistance and they save space. In canisters with excess pressure valve, pressure balance takes place from about 0.3 bar.

Safety canister with self-closing fine dosage spout 20 l: with separate ventilation. Canisters with a venting screw enable manual air supply when used or manual pressure balance during storage.

## Safety cans stainless steel



- ▶ Stainless steel AISI 316 Ti (1.4571), 0.6 mm thickness
- ▶ Seals made of PTFE
- ▶ Handle made of powder-surfaced aluminium
- ▶ Closure thread 1 ¼"

For safe metering and handling of smaller amounts of flammable liquids. Protection from exploding through flame protection and excess pressure valve, the containers have a high degree of chemical resistance. Can with removable flame protection in the filling connector and excess pressure valve in the self-closing fine dosage spout (pressure balance from about 0.3 bar).

### Safety jerrycans stainless steel

Model	Capacity l	Purpose	L x W x H mm	UN approval	Price €	Item no.	
with screw cap without pressure-relief valve	10	transport	280 x 130 x 380	3A1/X1.6/300	420.85	2601-7010	N2
with screw cap and pressure-relief valve	5	storage	200 x 130 x 310	no	360.50	2601-3005	N2
with screw cap and pressure-relief valve	10	storage	280 x 130 x 380	no	430.25	2601-3010	N2
with screw cap and pressure-relief valve	20	storage	345 x 175 x 470	no	536.25	2601-3020	N2
with fine dosage spout incl. pressure-relief valve	10	storage/transfer	280 x 130 x 380	no	489.40	2601-2010	N2
with fine dosage spout, pressure-relief valve, ventilation screw	20	storage/transfer	345 x 175 x 470	no	572.90	2601-2020	N2

### Safety cans stainless steel

Capacity l	Dia. mm	Height mm	Purpose	UN approval	Price €	Item no.	
1	111	235	storage/transfer	no	296.10	2601-1001	N2
2	131	295	storage/transfer	no	320.40	2601-1002	N2
5	165	400	storage/transfer	no	342.65	2601-1005	N2

## Safety storage container stainless steel

Safety containers for transport and storage made of high-quality stainless steel AISI 304 (1.4301) / AISI 316 Ti (1.4571) with thickness of sides of 0.8 mm (10 l), 1.2 mm (25 l) and 1.5 mm (50 l). The 25 l container can be stacked.

Protection from exploding through flame protection and excess pressure valve, seals made of PTFE, the containers have a high degree of chemical resistance.

In safety containers with excess pressure valve, pressure balance takes place from about 0.3 bar.

For containers with self-closing tap, constant ventilation can be set via a plastic lever on the screw cap.

The contents display made of perfluoroalkoxy copolymers (PFA) enables a visual contents check when filling and emptying.

► Accredited for UN-transports according to ADR, RID, IMDG Code, ICAO-TI, GGVSEB, GGVSee



Safety storage container stainless steel

Model	Capacity l	Purpose	Height mm	Thread	Dia. mm	UN approval	Thread, outflowing side	Price €	Item no.	
① with screw cap, without pressure-relief valve	25	transport/storage	530	1 1/2"	300	1A1/X1.6/400	-	525.05	2601-5125	N2
② with screw cap and pressure-relief valve	50	storage	600	G 2"	365	no	-	623.55	2601-5050	N2
③ with tab and pressure-relief valve	10	storage/transfer	330	1 1/2"	260	no	3/4"	747.00	2601-4010	N2
④ with tab and pressure-relief valve	25	storage/transfer	540	1 1/2"	315	no	3/4"	885.30	2601-4025	N2
⑤ with tab, pressure-relief valve and level indicator	10	storage/transfer	330	1 1/2"	260	no	3/4"	1029.20	2601-6010	N2



## Packaging bucket



Packaging bucket for transport, packaging and storing of various materials. Suitable for the food or building material industries and non-aggressive chemicals in environmental protection, hospitals and the household. With strong handle. Quality closure on the bucket for product safety.

- ▶ PP, white
- ▶ Air-tight closure
- ▶ Complete with lid
- ▶ With advertising printing in large quantities on request

**Bulk prices**

### Packaging bucket

Capacity l	Dia. top mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1	132	131	1.21	100	1.09	2327-0001	N3
2	175	132	1.90	80	1.75	2327-0020	N3
3	225	123	2.40	45	2.18	2327-0030	N3
5	225	194	3.06	36	2.71	2327-0050	N3
10	268	263	4.09	25	3.74	2327-0010	N3

## Packaging bags with closure



Bags with the "zipper" closure for storing, collecting, protecting and shipping of specimens, samples and sales products. Contents remain dust-free. The film is waterproof and has good tear resistance.

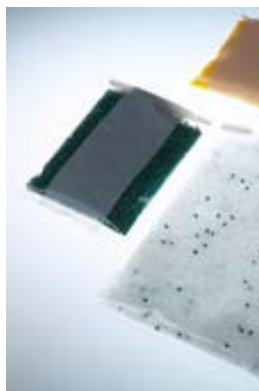
- ▶ LDPE, crystal-clear
- ▶ 0.05 mm strong film

**Bulk prices**

### Packaging bags with closure

L x W mm	Volume ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
100 x 70	80	100	4.99	10	4.49	2348-0002	N3
130 x 60	100	100	5.30	10	4.81	2348-0001	N3
120 x 80	140	100	6.00	10	5.50	2348-0003	N3
150 x 100	300	100	7.35	10	6.60	2348-0004	N3
170 x 120	400	100	9.35	10	8.65	2348-0005	N3
220 x 160	1000	100	12.25	10	11.30	2348-0006	N3
250 x 180	1500	100	13.45	10	12.40	2348-0007	N3
300 x 200	2500	100	16.75	10	15.35	2348-0008	N3
350 x 250	4500	100	21.80	10	19.50	2348-0009	N3
400 x 300	6500	100	24.90	10	22.60	2348-0010	N3

## Sampling bag SteriBag



**Sampling bag SteriBag**  
for samples in chemistry,  
pharmaceuticals, medi-  
cine, veterinary science  
and foodstuffs etc.

**\* Page 122**



**SteriBag StandUp**  
is a sterile sample bag  
with a stand-up base.



**SteriBag Cleanroom**  
can be placed directly in  
the clean room.



**SteriBag Blue**  
is especially well suited  
for use in the food, ani-  
mal feed and pharmaceu-  
tical industries.



**SteriBag Premium**  
uniquely combines a high  
degree of security, steril-  
ity, tamper evident clo-  
sure and traceability.

### Sampling bag SteriBag

Capac- ity ml	Model	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
60	without labelling area	127 x 76	500	122.50	6	115.95	5344-0060	N3
60	with labelling area	127 x 76	500	133.10	6	126.50	5344-0061	N3
150	without labelling area	178 x 76	500	126.50	6	118.55	5344-0180	N3
150	with labelling area	178 x 76	500	137.10	6	130.45	5344-0181	N3
450	without labelling area	229 x 114	500	148.80	6	142.30	5344-0540	N3
450	with labelling area	229 x 114	500	158.05	6	148.80	5344-0541	N3
650	without labelling area	229 x 140	500	166.00	6	156.70	5344-0720	N3
650	with labelling area	229 x 140	500	189.65	6	181.80	5344-0721	N3
800	without labelling area	305 x 114	500	172.60	6	164.65	5344-0810	N3
800	with labelling area	305 x 114	500	183.05	6	173.95	5344-0811	N3
1650	without labelling area	305 x 178	250	131.75	12	126.50	5344-1650	N3
1650	with labelling area	305 x 178	250	148.80	12	137.10	5344-1651	N3

**\* Page 123**

### SteriBag StandUp sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quan- tity scale from	Scale price €	Item no.	
400	229 x 114	500	195.20	5	185.35	5344-0400	N3
600	229 x 152	500	204.00	5	193.75	5344-0600	N3

**\* Page 124**

### Sampling bag SteriBag Cleanroom

Capacity ml	L x W mm	Pieces per pack	Price €	Quan- tity scale from	Scale price €	Item no.	
800	305 x 114	500	331.20	6	311.30	5344-8010	N3
1650	305 x 178	250	205.35	12	193.10	5344-8012	N3

**\* Page 123**

### Sampling bag SteriBag Blue

Capacity ml	L x W mm	Pieces per pack	Price €	Quan- tity scale from	Scale price €	Item no.	
650	229 x 140	500	204.80	6	192.55	5344-7008	N3
1650	305 x 178	250	148.80	12	137.10	5344-7012	N3

**\* Page 124**

### SteriBag Premium tamper-proof sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quan- tity scale from	Scale price €	Item no.	
300	200x145	100	149.20	10	138.70	5344-8000	N4

## Table of contents industrial & laboratory equipment



204 – 208 Trays, servers

209 – 211 Bowls, buckets

212 – 215 Funnels, funnel stands

216 – 221 Graduated beakers, graduated cylinders, measuring jugs

222 – 223 Titrating burettes

224 – 227 Pipettes, pipetting accessories, pipette stand

228 – 229 Draining & test-tube racks

230 SnowPack® dry ice machine

231 – 241 Tubings, connectors, flow indicators

242 – 247 Hose clamps, two-way and three-way valves, non-return valves

248 – 257 Hose couplings, threaded fittings

258 – 260 Vacuum pumps, water-jet pumps, dessicator

260 – 262 Protective equipment

263 – 265 Bungs, stirring, mixing







## Industrial & laboratory equipment

Connectors, fittings, funnels, measuring

## All-purpose trays | hygienic, easy to clean



The laboratory trays are practical all-purpose trays that can be nested when empty, also durable, shatter-proof and resist flexing. The trays have a strong, rounded rim.

Suitable as a spill trough for environmentally dangerous, aggressive substances, for experiments, as an etching tray, as an instrument holder, a medicine tray, a photographic development basin, a goods presentation tray and a display tray for foodstuffs.

- ▶ PP, white
- ▶ Manufactured using the injection moulding process, not by deep drawing
- ▶ Trays can be nested
- ▶ Tray not suitable for temperature controlled cupboards or dishwashers
- ▶ Temperature resistant up to +60 °C (briefly up to +80 °C)



### Laboratory trays / spill troughs separate

Capacity l	Inner dimension of base L x W mm	Outer dimension of base L x W mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
0.5	130 x 180	140 x 190	180 x 230 x 42	4.98	10	4.55	4201-1318	N4
1.5	180 x 240	190 x 250	250 x 310 x 65	8.85	10	8.15	4201-1824	N4
3.0	240 x 300	250 x 310	310 x 370 x 75	12.90	10	11.80	4201-2430	N4
10	300 x 400	310 x 410	420 x 520 x 120	20.95	10	19.15	4201-3040	N4
21	400 x 500	430 x 530	534 x 634 x 140	36.40	5	33.30	4201-4050	N4
39	500 x 700	520 x 720	648 x 846 x 160	53.05	5	48.25	4201-5070	N4

### Accessories

Description	Price €	Item no.
Laboratory trays / spill troughs set - 4 piece set	42.65	4201-0095
Laboratory trays / spill troughs set - 6 piece set	122.65	4201-0100

# Laboratory trays/spill troughs set

## Laboratory trays/Spill troughs in a beneficial set

Laboratory tray set of 4 with one tray each:

- ▶ 0.5 l (L x W x H 180 x 230 x 42 mm)
- ▶ 1.5 l (L x W x H 250 x 310 x 65 mm)
- ▶ 3.0 l (L x W x H 310 x 370 x 75 mm)
- ▶ 10.0 l (L x W x H 420 x 520 x 120 mm)

Laboratory tray set of 6 with one tray each:

- ▶ 0.5 l (L x W x H 180 x 230 x 42 mm)
- ▶ 1.5 l (L x W x H 250 x 310 x 65 mm)
- ▶ 3.0 l (L x W x H 310 x 370 x 75 mm)
- ▶ 10.0 l (L x W x H 420 x 520 x 120 mm)
- ▶ 21.0 l (L x W x H 534 x 634 x 140 mm)
- ▶ 39.0 l (L x W x H 648 x 846 x 160 mm)



### Laboratory trays / spill troughs set

Model	Capacity l	Price €	Quantity scale from	Scale price €	Item no.	
4 piece set	0.5 – 10	42.65	10	40.55	4201-0095	N4
6 piece set	0.5 – 39	122.65	10	116.20	4201-0100	N4



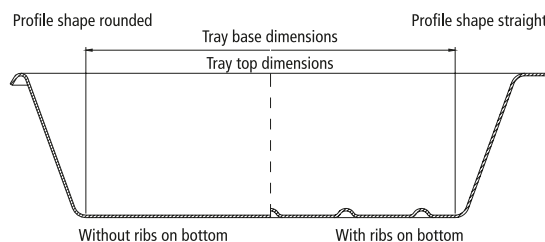
## Photographic trays | in a variety of colours and sizes



These photographic trays made of PVC are available in a variety of shapes and colours. Available in shallow or deep models, with or without ribs on the base, in 3 attractive, high-gloss colours: white, red and black. The model with ribs on the base is especially well suited as a film development tray. The raised ribs prevent photographic paper from sticking to the base of the tray. Liquid can be poured out easily from the tray edges. The model without ribs on the base is suited for universal laboratory or storage purposes. Important: the photographic trays are made of high-quality PVC.





- ▶ PVC
- ▶ Thick sides, shatterproof
- ▶ Largely resistant to acids and alkalis
- ▶ Not suitable for temperature controlled cupboards or dishwashers
- ▶ Temperature resistant from -30 °C up to +60 °C max.





**b** LaboPlast

## Photographic trays | in a variety of colours and sizes

Photographic trays, shallow form with ribs on bottom, profile shape rounded 							
Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
white	140 x 190	180 x 230	40	8.45	5	7.75	4202-1013 N4
white	190 x 260	240 x 320	50	12.75	5	11.50	4202-1018 N4
white	260 x 320	320 x 370	50	19.80	5	18.25	4202-1024 N4
white	310 x 410	370 x 470	60	32.85	5	28.70	4202-1030 N4
white	420 x 510	480 x 580	60	62.55	5	56.85	4202-1040 N4
white	510 x 610	590 x 680	70	88.75	5	80.45	4202-1050 N4
red	140 x 190	180 x 230	40	8.45	5	7.75	4202-2013 N4
red	190 x 260	240 x 320	50	12.75	5	11.50	4202-2018 N4
red	260 x 320	320 x 370	50	19.80	5	18.25	4202-2024 N4
red	420 x 510	480 x 580	60	62.55	5	56.85	4202-2040 N4
red	510 x 610	590 x 680	70	88.75	5	80.45	4202-2050 N4
black	190 x 260	240 x 320	50	12.75	5	11.50	4202-3018 N4
black	260 x 320	320 x 370	50	19.80	5	18.25	4202-3024 N4

Photographic trays, deep form with ribs on bottom									
Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Profile shape	Price €	Quantity scale from	Scale price €	Item no.	
white	310 x 410	430 x 530	105	straight	43.55	5	39.55	4206-1030	N4
white	420 x 510	520 x 610	110	straight	74.90	5	67.20	4206-1040	N4
white	510 x 610	630 x 730	110	straight	105.85	5	97.30	4206-1050	N4
red	310 x 410	430 x 530	105	straight	43.55	5	39.55	4206-2030	N4
red	420 x 510	520 x 610	110	straight	74.90	5	67.20	4206-2040	N4
black	420 x 510	520 x 610	110	straight	74.90	5	67.20	4206-3040	N4
black	510 x 610	630 x 730	110	straight	105.85	5	97.30	4206-3050	N4

Photographic trays, shallow form without ribs on bottom, profile shape rounded 							
Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
white	110 x 160	150 x 200	30	7.00	5	6.30	4203-1010 N4
white	140 x 190	180 x 230	40	8.45	5	7.75	4203-1013 N4
white	190 x 260	240 x 320	50	12.75	5	11.50	4203-1018 N4
white	260 x 320	320 x 370	50	19.80	5	18.25	4203-1024 N4
white	310 x 410	370 x 470	60	32.85	5	28.70	4203-1030 N4
white	420 x 510	480 x 580	60	62.55	5	56.85	4203-1040 N4
white	510 x 610	590 x 680	70	88.75	5	80.45	4203-1050 N4
red	110 x 160	150 x 200	30	7.00	5	6.30	4203-2010 N4
red	140 x 190	180 x 230	40	8.45	5	7.75	4203-2013 N4
red	190 x 260	240 x 320	50	12.75	5	11.50	4203-2018 N4
red	260 x 320	320 x 370	50	19.80	5	18.25	4203-2024 N4
red	310 x 410	370 x 470	60	32.85	5	28.70	4203-2030 N4
red	510 x 610	590 x 680	70	88.75	5	80.45	4203-2050 N4
black	110 x 160	150 x 200	30	7.00	5	6.30	4203-3010 N4
black	140 x 190	180 x 230	40	8.45	5	7.75	4203-3013 N4
black	190 x 260	240 x 320	50	12.75	5	11.50	4203-3018 N4
black	260 x 320	320 x 370	50	19.80	5	18.25	4203-3024 N4
black	310 x 410	370 x 470	60	32.85	5	28.70	4203-3030 N4
black	510 x 610	590 x 680	70	88.75	5	80.45	4203-3050 N4

Photographic trays, deep form without ribs on bottom									
Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Profile shape	Price €	Quantity scale from	Scale price €	Item no.	
white	190 x 260	260 x 340	85	rounded	19.40	5	17.95	4207-1018	N4
white	260 x 320	330 x 390	100	rounded	31.30	5	28.60	4207-1024	N4
white	310 x 410	430 x 530	105	straight	43.55	5	39.55	4207-1030	N4
white	420 x 510	520 x 610	110	straight	74.90	5	67.20	4207-1040	N4
white	510 x 610	630 x 730	110	straight	105.85	5	97.30	4207-1050	N4
red	190 x 260	260 x 340	85	rounded	19.40	5	17.95	4207-2018	N4
red	260 x 320	330 x 390	100	rounded	31.30	5	28.60	4207-2024	N4
red	310 x 410	430 x 530	105	straight	43.55	5	39.55	4207-2030	N4
red	420 x 510	520 x 610	110	straight	74.90	5	67.20	4207-2040	N4
red	510 x 610	630 x 730	110	straight	105.85	5	97.30	4207-2050	N4
black	310 x 410	430 x 530	105	straight	43.55	5	39.55	4207-3030	N4
black	420 x 510	520 x 610	110	straight	74.90	5	67.20	4207-3040	N4
black	510 x 610	630 x 730	110	straight	105.85	5	97.30	4207-3050	N4

## Instrument trays



Trays for various uses: in laboratories, doctors' surgeries, hospitals, pharmacies, the foodstuffs industry – wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Melamine, white
- Tray without lid, autoclavable
- Lid available as accessory

### Instrument trays

Capacity ml	L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
500	210 x 110 x 35	10.50	5	9.50	4230-2050	N3
700	190 x 150 x 40	8.25	5	7.45	4230-2070	N3
1000	290 x 160 x 35	11.15	5	10.20	4230-2100	N3
1800	290 x 160 x 60	18.15	5	16.70	4230-2180	N3
2300	350 x 250 x 40	21.80	5	19.80	4230-2230	N3
5500	350 x 250 x 100	27.40	5	25.00	4230-2550	N3

### Accessories

Description	Price €	Item no.
Lids for instrument trays 500 ml, PS crystal clear	7.10	4230-2051 N3
Lids for instrument trays 700 ml, PS crystal clear	9.25	4230-2071 N3
Lids for instrument trays 1000/1800 ml, PS crystal clear	10.60	4230-2101 N3
Lids for instrument trays 2300/5500 ml, PS crystal clear	13.80	4230-2231 N3

## Instrument servers



Servers for various uses - wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Melamine, white

### Instrument servers

L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
190 x 150 x 17	6.15	10	5.65	4230-3019	N3
240 x 180 x 17	8.25	10	7.55	4230-3024	N3
268 x 208 x 17	10.80	10	9.95	4230-3027	N3
355 x 240 x 17	15.90	10	14.40	4230-3036	N3
428 x 288 x 17	26.70	5	24.40	4230-3043	N3



## Bowls sterilisable



Particularly stable bowl, with wide holding edge, can be stacked, substances which solidify in the bowl can easily be removed.

- ▶ PP, white
- ▶ Sterilisable up to +121 °C

### Bowls sterilisable

Cap- acity l	Dia. mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
0.9	160	70	2.29	5	2.14	4702-0008	N3
1.7	200	80	3.17	5	3.08	4702-0017	N3
2.9	240	100	4.95	5	4.43	4702-0028	N3
4.3	280	120	7.05	5	6.20	4702-0045	N3
6.6	320	130	10.10	3	9.10	4702-0065	N3
13.4	400	180	15.70	3	14.35	4702-0013	N3

## Four-sided bucket



Bucket for transporting bulky goods. Saves space, sturdy, easy to carry, available with lid.

- ▶ PE, transparent
- ▶ Graduation 500 ml, up to 12 l
- ▶ With sturdy handle made of PE
- ▶ Contents right to the top 14 l

### Four-sided bucket

Cap- acity l	L x W x H mm	Price €	Quan- tity scale from	Scale price €	Item no.	
14	280 x 280 x 290	25.80	10	23.60	2350-0140	N3

#### Accessories

Description	Price €	Item no.
Lid for four-sided bucket	10.30	2350-0141 N3

## Bucket made of PP



Bucket for transporting, decanting and mixing. Safe emptying with wide spout. Sturdy handle made of PP.

- ▶ PP, transparent
- ▶ With contents scale, graduation 1000 ml
- ▶ With spout
- ▶ Sterilisable

### Bucket made of PP

Cap- acity l	Dia. mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
12	310	330	29.60	10	26.75	2306-1012	N3
15	310	370	32.50	10	29.60	2306-1015	N3

## Industrial bucket, metal handle



Industrial bucket for transporting, decanting and mixing. Safe emptying with wide spout. Handle made of metal.

- LLDPE, white
- With litre scale, graduation 1000 ml
- With spout

## Laboratory bucket



Laboratory bucket for transporting, decanting and mixing. Safe emptying with wide spout. Handle made of metal.

- PE, white
- With contents scale, graduation 1000 ml
- With spout

## Bucket HDPE



For transporting, decanting and mixing. Wide spout gives rapid but safe emptying. With plastic handle.

- HDPE, white or black
- With litre scale, graduation 1000 ml
- With spout
- Bucket HDPE black, not suitable for food

### Industrial bucket with metal handle



Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
9	280	250	10.30	10	9.25	2308-0900	N3
12	300	280	13.60	10	12.25	2308-1200	N3
17	340	310	19.75	10	17.80	2308-1700	N3

### Laboratory bucket



Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
10	290	280	28.80	10	28.00	2306-0010	N3
15	320	340	42.55	10	38.65	2306-0015	N3

### Bucket HDPE



Capacity l	Colour	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
10.5	black	286	289	18.80	10	16.95	2307-0010	N3
10.5	white	286	283	21.20	10	19.05	2307-0011	N3
17	black	330	315	22.40	10	20.05	2307-0017	N3
17	white	330	315	25.20	10	22.55	2307-0018	N3

## Bucket, stainless steel



The bucket is made entirely of high-gloss polished stainless steel. The smooth surface of the stainless steel bucket makes it easy to clean. The rounded, movable handle makes it comfortable to move the bucket. The laboratory bucket is suitable for moving liquids and bulk materials properly, especially in the chemical, pharmaceutical or cosmetic industries, and in the food and animal feed industries.

- Stainless steel (1.4301)
- High-gloss polished

### Bucket, stainless steel

Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
10	275	275	55.95	10	52.60	2309-0010	N4
15	330	305	66.15	10	62.15	2309-0015	N4

## Packaging bucket



Packaging bucket for transport, packaging and storing of various materials. Suitable for the food or building material industries and non-aggressive chemicals in environmental protection, hospitals and the household. With strong handle. Quality closure on the bucket for product safety.

- PP, white
- Air-tight closure
- Complete with lid
- With advertising printing in large quantities on request

**Bulk prices**

### Packaging bucket

Capacity l	Dia. top mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1	132	131	1.21	100	1.09	2327-0001	N3
2	175	132	1.90	80	1.75	2327-0020	N3
3	225	123	2.40	45	2.18	2327-0030	N3
5	225	194	3.06	36	2.71	2327-0050	N3
10	268	263	4.09	25	3.74	2327-0010	N3

Funnels | transparent, available in many different sizes

Powder funnels PP/PE



All-purpose funnels with suspension eyelet for safe filling of containers.



Powder funnel for safe filling of containers. 9606-0240 with fine sieve made of phosphor-bronze (not for use with foodstuffs).

#### General purpose funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
40	5	PP	0.59	24	0.56	9602-0040	N3
60	8	PE	0.94	12	0.85	9602-0060	N3
80	11	PE	1.05	12	0.96	9602-0080	N3
100	10	PP	1.65	12	1.49	9602-0100	N3
120	13	PP	2.16	12	1.93	9602-0120	N3
140	16	PE	2.78	12	2.56	9602-0140	N3
160	18	PE	3.38	12	3.02	9602-0160	N3

#### Barrel funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
203	22	PP	7.50	6	6.75	9602-0200	N3
260	23	PP	12.95	6	11.65	9602-0250	N3
360	31	PP	26.20	5	23.95	9602-0350	N3
400	42	PE	61.80	5	59.80	9602-0400	N3
430	37	PE	87.85	5	76.85	9602-0450	N3

#### Accessories

Description	Price €	Item no.
Sieve for barrel funnels 203/260/360 mm	2.82	9602-0251 N3



#### Powder funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
80	21	PP	2.36	10	2.13	9606-0080	N3
100	22	PP	2.48	10	2.21	9606-0100	N3
150	28	PP	4.72	5	4.24	9606-0150	N3
253	50	PE	11.85	10	10.75	9606-0240	N3
360	65	PP	34.05	5	32.75	9606-0350	N3

## Funnel stands

Sturdy and stable funnel stand, resistant to chemicals, shatter-proof and with continuously variable height adjustment.

The funnel stand is suitable for all funnels from 40 to 180 mm in diameter. The funnel holders can be used with reducing inserts for small funnels.

The funnel stand also makes an excellent filtering stand.

Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

The laboratory stand can be flexibly adapted with corresponding accessories, for example with adjustment funnel holders or a holder for Imhoff funnel (see page 214). The funnel stand can also be converted into a pipette stand (see page 227).

- ▶ PP, chrome-plated steel
- ▶ Continuously variable height adjustment with innovative magnet concept
- ▶ Adjustable height up to 450 mm
- ▶ For funnels Ø 40–180 mm
- ▶ Additional funnel holders are available as accessories



Funnel stand with two funnel holders and two reducing inserts. Space-saving design with two practical storage areas.



Funnel stand with four funnel holders and four reducing inserts. A very sturdy pedestal provides a storage area for four containers and ensures absolute safety against overturning.



### Funnel stand for two funnels

Price €	Quantity scale from	Scale price €	Item no.
70.85	5	66.60	9622-0200 N4

#### Accessories

Description	Price €	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm	11.20	9622-0001 N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm	13.65	7118-2001 N4

### Funnel stand for four funnels

Price €	Quantity scale from	Scale price €	Item no.
95.65	5	87.95	9622-0400 N4

#### Accessories

Description	Price €	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm	11.20	9622-0001 N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm	13.65	7118-2001 N4
Replacement set for pipette stand, two perforated plates/one drip pan	20.20	9630-0100 N4

## Sedimentation funnel



### ① Stand for Imhoff sedimentation funnel

Price €	Quantity scale from	Scale price €	Item no.
70.85	3	66.60	7118-2000 N4

#### Accessories

Description	Price €	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm	11.20	9622-0001 N4

### ② Sedimentation funnel

Model	Price €	Quantity scale from	Scale price €	Item no.
Funnel, single	33.45	3	30.30	7118-1000 N3

The stand for sedimentation funnels is used to keep, hold or store Imhoff funnels safely and reliably during sedimentation. Two funnel holders ensure that Imhoff funnels will be held safely and securely and can be placed in an absolutely vertical position.

Stand with two holders for sedimentation funnels, suitable for funnels 90 mm or more in diameter.

Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

With the corresponding accessory the holders for Imhoff funnels can also be replaced by holders for all-purpose funnels (see page 213).

- ▶ Stand for Imhoff funnel
- ▶ PP, chrome-plated steel
- ▶ Adjustable height up to 450 mm
- ▶ For funnels with Ø 90 mm or more

## Safety funnel



Safety funnel for filling containers easily. With overflow protection.

- ▶ made of stainless steel AISI 304
- ▶ Flame block
- ▶ Connector 2" fine thread NPT
- ▶ Discharge pipe Ø 3.5 cm

### Safety funnel stainless steel

Price €	Item no.
276.95	2601-9900 N2



## Funnel, stainless steel



The stainless steel funnel can be used to pour and transfer free-flowing powders, liquids and slightly viscous media easily. An air channel on the discharge tube ensures a complete, unobstructed flow. Depending on the diameter, this pouring aid is suitable for dispensing applications, from small amounts in laboratories to large quantities in industry. Larger versions of the funnel feature a handle to ensure easy handling.

The sturdy stainless steel funnel can be used in a wide variety of applications.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Air channel for unobstructed flow

### Funnel, stainless steel

Outer dia. mm	Outlet dia. mm	Price €	Quantity scale from	Scale price €	Item no.
60	8	11.10	10	10.45	9604-0001 N4
100	12	15.80	10	14.80	9604-0003 N4
150	12	23.35	10	21.90	9604-0005 N4
300	20	36.60	10	34.75	9604-0008 N4



## Advertise with your good name

Many articles in this catalog are outstandingly suitable for carrying your advertisements. No matter whether as a promotional gift or as a supplement to your own product: your name is always present.

### Printing subjects

Company logos, instructions for use, advertising messages, table of contents, scales – we set no limits to your fantasies or wishes.

### Colors

We can print in all the usual color scales such as RAL, Pantone, HKS or to your color sample.

### Printing area

The area that can be printed depends on the particular product. We will be pleased to advise you.

### Resistance

The printing is resistant to weak acids and alkalis, and to most solvents. It is very resistant to both mechanical damage and light. Your advertising message will not fade even after many years of use.

### From artwork to print

1. You send us your copy or artwork – we can process virtually any data format.
2. On request we can also support you with your layout.
3. After a few days you will receive a proof sheet for your acceptance.
4. In our works your advertising message will be permanently applied in topquality.

### Costs

We treat each print job individually. As each print job is different, we always make a separate offer for each inquiry. The total cost is made up of the price of the product, preliminary costs (finalizing the artwork and making the screen) and printing costs.

### Printable products

- ▶ Graduated beakers (page 216)
- ▶ Graduated cylinders (page 218)
- ▶ Pressure atomiser (page 174)
- ▶ Measuring scoops (page 145)
- ▶ Bottles (page 160)
- ▶ Flow indicators (page 240)



## Graduated beakers with handle



Graduated beakers with handle, transparent graduation



Graduated beakers with handle, blue graduation



- ▶ PP, transparent
- ▶ With indestructible graduation

Graduated beakers made of PP are virtually indestructible and highly transparent.

Graduated beakers are perfectly suited as advertising means for chemical products. The smooth surface enables print of a logo or an advertising slogan.

Graduated beakers with handle, blue graduation

Capacity ml	Dia. top mm	Dia. bottom mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	50	40	80	1.76	24	1.71	7104-0100	N3
250	70	50	120	3.20	12	2.93	7104-0250	N3
500	91	75	140	3.69	12	3.34	7104-0500	N3
1000	116	95	181	4.92	6	4.52	7104-1000	N3
2000	150	125	213	9.55	6	8.95	7104-2000	N3
3000	170	120	242	13.20	6	11.75	7104-3000	N3
5000	210	160	270	19.45	6	17.50	7104-5000	N3

Graduated beakers with handle, transparent graduation

Capacity ml	Dia. top mm	Dia. bottom mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	50	40	80	1.49	24	1.43	7102-0100	N3
250	70	50	120	2.88	12	2.65	7102-0250	N3
500	91	75	140	3.20	12	2.92	7102-0500	N3
1000	116	95	181	4.64	6	4.16	7102-1000	N3
2000	150	125	213	9.55	6	8.95	7102-2000	N3
3000	170	120	242	13.20	6	11.75	7102-3000	N3
5000	210	160	270	19.05	6	17.50	7102-5000	N3

## Laboratory beakers/Griffin beakers, PP



Laboratory beakers according to DIN 12331 and ISO 7056 (Glass) for various uses.

When bought in bulk, individual print is possible.

- ▶ PP, highly transparent
- ▶ Blue graduation printed on
- ▶ Shatterproof
- ▶ Autoclavable

Laboratory beakers/Griffin beakers, PP									
Capacity ml	Division ml	Scaling from ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
25	1	5	34	49	1.14	12	1.05	7122-0025	N3
50	5	10	43	60	1.24	12	1.15	7122-0050	N3
100	5	10	51	72	1.48	12	1.37	7122-0100	N3
150	5	10	58	82	2.04	12	1.85	7122-0150	N3
250	5	20	70	95	2.04	6	1.85	7122-0250	N3
400	10	20	80	110	2.92	6	2.83	7122-0400	N3
500	50	50	94	118	3.10	6	2.81	7122-0500	N3
600	25	50	93	125	3.20	12	2.92	7122-0600	N3
1000	50	100	108	148	4.83	6	4.43	7122-1000	N3
2000	100	200	140	188	8.95	6	8.20	7122-2000	N3
3000	250	500	170	212	17.55	4	16.00	7122-3000	N3
5000	500	500	203	247	22.75	4	20.70	7122-5000	N3

## Graduated beakers, stackable



Graduated beaker with graduation printed in blue, open handle, conical. Beakers can be stacked and therefore save space during storage.

- ▶ PP, transparent
- ▶ Sterilisable
- ▶ Shatterproof
- ▶ Good chemical resistance

Graduated beakers, stackable									
Capacity ml	Division ml	Height mm	Dia. top mm	Price €	Quantity scale from	Scale price €	Item no.		
1000	10	167	125	4.92	12	4.52	7110-1000	N3	
2000	20	212	148	9.75	12	8.80	7110-2000	N3	

## Graduated cylinders, tall form



Measuring cylinder, tall shape, according to DIN 12681 (Glass)/ISO 6706, with hexagonal base. For use in laboratories, chemists, in workshops, during outdoor field work and wherever volumetric measurements have to be made during production.

## Graduated cylinders, tall-form, made of SAN



- ▶ SAN, crystal clear
- ▶ Category B (DIN 12681 / ISO 6706)
- ▶ Embossed graduation with rings at the main points
- ▶ Adjusted to "In"
- ▶ Temperature resistant from -40 °C up to +70 °C

### Graduated cylinders, tall-form, made of SAN

Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
100	1	34	65	260	8.05	12	7.20	7506-0100	N3
500	5	61	95	350	16.95	6	15.30	7506-0500	N3
1000	10	76	125	415	20.35	6	18.65	7506-1000	N3

## Graduated cylinders made of PP



- ▶ PP, highly transparent
- ▶ Category B (DIN 12681 / ISO 6706)
- ▶ Embossed blue graduation with rings at the main points
- ▶ Shatterproof
- ▶ Adjusted to "In"

## Graduated cylinders made of PP



- ▶ PP, highly transparent
- ▶ Category B (DIN 12681 / ISO 6706)
- ▶ Embossed transparent graduation with rings at the main points
- ▶ Shatterproof
- ▶ Adjusted to "In"

Graduated cylinders, PP, tall-form, blue graduations



Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
50	1	27	55	200	5.35	12	4.97	7503-0050	N3
100	1	33	65	250	7.00	12	6.30	7503-0100	N3
250	2	44	75	315	10.85	6	9.95	7503-0250	N3
500	5	58	95	360	14.40	6	13.15	7503-0500	N3
1000	10	69	125	440	19.55	6	17.80	7503-1000	N3
2000	20	97	160	482	35.15	3	32.00	7503-2000	N3

Graduated cylinders, PP, tall-form, embossed graduations



Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
50	1	27	55	200	3.05	12	2.76	7502-0050	N3
100	1	33	65	250	3.99	12	3.49	7502-0100	N3
250	2	44	75	315	6.50	6	5.95	7502-0250	N3
500	5	58	95	360	8.95	6	8.15	7502-0500	N3
1000	10	69	125	440	12.10	6	10.95	7502-1000	N3
2000	20	97	160	482	27.40	3	24.95	7502-2000	N3

# Measuring jugs industrial



Light and handy polypropylene measuring jug is suitable for industrial applications. The measuring jug has two measuring scales, embossed transparent and with blue lettering. With ergonomic handle, available in closed design for special stability or with open handle for stacking to save space. The measuring jug is made of polypropylene and is therefore highly resistant to acids, bases and chemicals.

## Measuring jug industrial, with closed handle

Capacity ml	Dia. mm	Height mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
500	90	135	10	2.96	16	2.66	7204-0500	N3
1000	117	165	10	3.97	12	3.58	7204-1000	N3
2000	151	206	20	7.40	12	6.70	7204-2000	N3
3000	175	238	50	9.70	10	8.70	7204-3000	N3
5000	203	257	100	13.50	5	12.20	7204-5000	N3

## Measuring jug industrial, stacking

Capacity ml	Dia. mm	Height mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
500	90	135	10	2.89	16	2.60	7210-0500	N3
1000	117	165	10	3.88	12	3.50	7210-1000	N3
2000	151	206	20	7.25	12	6.55	7210-2000	N3
3000	175	238	50	9.45	10	8.50	7210-3000	N3
5000	203	257	100	13.20	5	11.90	7210-5000	N3

- PP transparent
- With embossed graduation printed in blue

Please inquire about special prices for large quantities!

**Bulk prices**



# Universal graduated beakers



Universal graduated beakers with indestructible graduation. The three specially formed spouts enable easy pouring of liquids. Due to great pricing, they can also be used as disposable graduated beakers.

- PP, transparent, autoclavable
- Space-saving stacking in one another

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

**Bulk prices**



Universal graduated beakers

Capacity ml	Dia. bottom mm	Dia. top mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
50	31	45	5	0.38	100	0.35	7109-0050	N3
100	38	55	10	0.46	100	0.40	7109-0100	N3
250	48	75	10	0.84	100	0.78	7109-0250	N3
400	51	83	20	1.05	100	0.98	7109-0400	N3
1000	72	113	50	1.76	100	1.60	7109-1000	N3



# Titrating burette automatic



Burette with Schellbach stripes type Schilling / Bürkle with original Bürkle dosing armature.

A universal aid in the laboratory, electroplating industry, water treatment plants, for field analyses, etc. Precise dosing using the press button, exact fine titration with the micro-screw and precise discharge jet. Graduation according to Category B (Tolerances according to DIN EN ISO 385).

- ▶ Adjusted for Ex
- ▶ Burette made of borosilicate glass 3.3
- ▶ Resistant to chemicals
- ▶ Blue ring graduations (Colordur)
- ▶ Left or right hand operation possible
- ▶ Sturdy stand
- ▶ Precise discharge jet, allowing very fine drops
- ▶ Parts in contact with the medium: PE, PP, natural rubber, borosilicate glass

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!

**b** LaboPlast



Titrating burette automatic

Burette capacity ml	Division ml	Precision ml	Height cm	Capacity l	Price €	Quantity scale from	Scale price €	Item no.	
5	0.05	± 0.03	61	0.5	48.60	10	43.70	9695-1005	N4
10	0.05	± 0.03	56	0.5	48.60	10	43.70	9695-1010	N4
15	0.1	± 0.045	52	0.5	48.60	10	43.70	9695-1015	N4
25	0.1	± 0.045	65	1	48.60	10	43.70	9695-1025	N4
50	0.1	± 0.075	92	1	56.70	10	51.05	9695-1050	N4

**DIN**

## Splinter-proof titrating burette

The titrating burette with splinter protection is a fast acting burette with Schellbach stripes based on Dr. Schilling's design with automatic zero point extraction and Bürkle dosing armature.

The glass burette has a plastic sheathing which increases resistance to breaking and protects against splinters. The possibility of the burette breaking is much lower than with a conventional burette, and if it does break, there will be no dangerous splinters.

The Bürkle dosing armature allows for precise dosing and exact fine titration with the press button or micro-screw and precise discharge through the discharge jet.

- ▶ Burette with splinter-proof sheathing
- ▶ Adjusted to Ex
- ▶ Burette made of borosilicate glass 3.3
- ▶ Shatter-proof, resistant to chemicals
- ▶ Sturdy stand
- ▶ Precise discharge jet, allowing very fine drops
- ▶ Parts in contact with medium: PE, PP, natural rubber, borosilicate glass



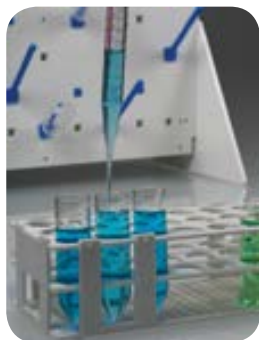
Splinter-proof titrating burette



Burette capacity ml	Division ml	Precision ml	Height cm	Capacity l	Price €	Quantity scale from	Scale price €	Item no.
15	0.1	± 0.045	52	0.5	61.70	10	56.80	9695-3015 N4
25	0.1	± 0.045	65	1	61.70	10	56.80	9695-3025 N4
50	0.1	± 0.075	92	1	69.75	10	64.10	9695-3050 N4



## Single-use pipettes PS



- Polystyrene, crystal clear
- Individually sterile-packed
- For aqueous solutions
- Adjusted to "In"  $\pm 2\%$

## Disposable pipettes LDPE



- LDPE
- dropping pipette, not graduated

### Single-use pipettes PS

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
25	2.14	100	1.74	7556-0025	N3
50	4.53	50	3.63	7556-0050	N3
100	20.05	20	17.85	7556-0100	N3



### Disposable pipettes LDPE

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
1.8	98	100	20.00	10	18.05	7555-0001	N4
1.7	145	100	20.00	10	18.05	7555-0002	N4
2.4	155	100	20.00	10	18.05	7555-0003	N4



## Graduated pipettes



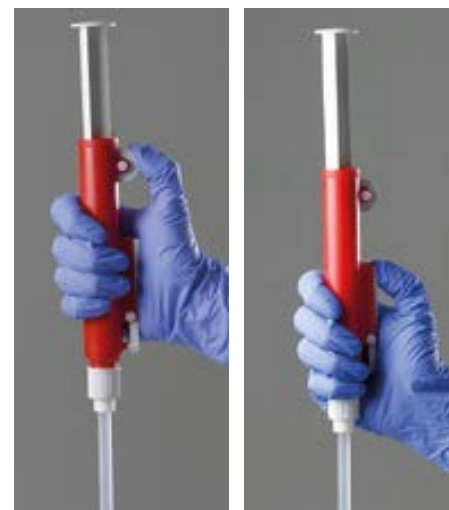
- ▶ PP, transparent
- ▶ Blue, permanently coloured graduation and labelling
- ▶ Adjusted for Ex  $\pm 0.1$  ml

## Single mark pipettes



- ▶ PP, transparent
- ▶ Blue, permanently coloured graduation and labelling

## Pi-Pump



Suction via handwheel. If the handwheel is stopped, the piston remains in place and no liquid flows out

Discharge via outlet lever. Very small quantities can be removed with great accuracy by turning the hand-wheel

Proven thousands of time, fits naturally into the hand. The handwheel ensures precise suction. The contents can be purged by pressing back the piston. Dispensing with the lateral switch.

- ▶ Easy to use, precise
- ▶ Available in three sizes (colour-coded)

### Graduated pipettes

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
10	11.20	12	10.15	7550-0010	N3



### Single mark pipettes

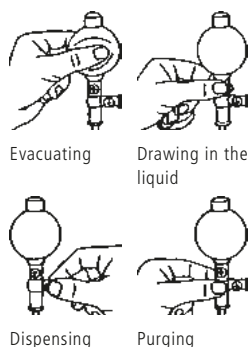
Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
10	16.60	10	15.95	7553-0010	N3
25	17.30	12	16.40	7553-0025	N3
50	17.50	12	16.75	7553-0050	N3



### Pi-Pump

Fits for pipette up to ... ml	Colour	Price €	Quantity scale from	Scale price €	Item no.	
2	blue	13.15	10	11.85	7551-0002	N3
10	green	13.15	5	11.85	7551-0010	N3
25	red	14.40	5	13.05	7551-0025	N3

## Safety pipetting-ball



Peleus ball, simple pipetting aid. Evacuation takes place via an automatic valve. By pressing the valves, the liquid is drawn up, dispensed or purged. The removable automatic valve also enables effective cleaning of the inside.

- For all pipettes up to 100 ml
- Available in various colours

## Pipette rinsing system



### ① Pipette rinsing system

For easy and gentle cleaning and safe storage of pipettes. A complete system suitable for every lab.

- PE transparent
- Effective height 600 mm

### ② Pipette basket

The basket is an accessory for the pipette rinser.

### ① Pipette rinsing system

Capacity l	Inner dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
17	165	315	740	197.70	5	178.90	9650-0650 N3

### ② Pipette basket

Capacity l	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
17	145	280	38.45	4	35.00	9650-0653 N3

### ③ Cleaning and storage container for pipettes

Capacity l	Inner dia. mm	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
10	155	165	240	550	90.10	5	82.10	9650-0651 N3
12.5	155	165	240	660	91.90	5	82.10	9650-0652 N3

### Safety pipetting-ball

Colour	Price €	Quantity scale from	Scale price €	Item no.
red	15.45	10	14.55	7554-0002 N3
yellow	15.45	10	14.55	7554-0004 N3
blue	15.45	10	14.55	7554-0005 N3
green	15.45	10	14.55	7554-0006 N3



# Pipette stand

Frame for pipettes with two rotating perforated plates and drip pan. The holders are suitable for up to 40 pipettes of different sizes, for all measuring and full pipettes up to a max. diameter of 18 mm.

A drip pan protects the tips of the pipettes and collects liquid as it drips off.

The pipette stand is suitable for drying and for space-saving storage of pipettes or thermometers, test tubes and similar items. A very sturdy pedestal ensures absolute safety against overturning.

No clamping screws are necessary thanks to an innovative magnet concept. The height of the holding plates can be adjusted easily and flexibly with one hand.

The lab frame can be flexibly adapted with corresponding accessories, for example as a frame for Imhoff sedimentation funnels (see page 214) or as a funnel frame (see page 213).

- ▶ PP, chrome-plated steel
- ▶ Adjustable height up to 450 mm
- ▶ 40 slots, Ø 10–18 mm



## Pipette stand

Price €	Quantity scale from	Scale price €	Item no.
73.60	3	69.25	9630-0090 N4

## Accessories

Description	Price €	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm	11.20	9622-0001 N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm	13.65	7118-2001 N4



## Draining rack, wallmount | practical, hygienic, attractive shape

Draining rack made of plastic, shatterproof, proven thousands of times in the lab and adjusted to the requirements there.

The stable rods are individually placed into the holes of the draining rack and are clicked into place. Their positions can be changed at any time. Using a combination of rods of three different lengths (60 mm, 100 mm and extension to 150 mm), the draining rack can be adapted to any apparatus which is to be dried.

Available in three different sizes:

- ▶ **Draining rack 40x40 cm** with rods 60 mm (5x), 100 mm (26x) and extension 150 mm (2x)
- ▶ **Draining rack 50x50 cm** with rods 60 mm (10x), 100 mm (39x) and extension 150 mm (4x)
- ▶ **Draining rack 60x60 cm** with rods 60 mm (15x), 100 mm (56x) and extension 150 mm (6x)

Extension Item No. 9640-0415 can only be used with rod Item No. 9640-0410.

Available as:

- ▶ Draining rack, wallmount, incl. wall mounting set (screws, dowels), optionally available with removable draining channel which has a connection for a draining tube (The drainage water goes into the lab basin)
- ▶ Draining rack, benchtop, with collecting pan
- ▶ Draining rack PVC, rods PP
- ▶ Incl. spanner for the rods

**Attention!** Make sure to pay attention to the "List of Chemical Resistance"!



### Draining rack, wallmount

Model	W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
without draining channel	400 x 400	153.75	3	140.50	9640-1040	N4
without draining channel	500 x 500	182.55	3	168.10	9640-1050	N4
without draining channel	600 x 600	211.50	3	190.40	9640-1060	N4
with draining channel	400 x 400	177.35	3	164.15	9640-2040	N4
with draining channel	500 x 500	211.50	3	190.40	9640-2050	N4
with draining channel	600 x 600	241.60	3	220.60	9640-2060	N4

### Accessories

Description	Price €	Item no.
Rods for draining rack length 60 mm, dia. 6 mm	1.13	9640-0421 N4
Rods for draining rack length 100 mm, dia. 10 mm	1.13	9640-0410 N4
Extension rods for draining rack length 150 mm, dia. 12 mm	1.51	9640-0415 N4



## Draining rack, benchtop



The draining rack is easy and flexible to set down on a table or working surface. Two large supports with wide bases ensure sufficient stability. Since both sides of the draining board can be used, it provides twice the hanging space. The collecting pan can simply be removed for emptying.

- Flexible, can be used on both sides





Draining rack, benchtop						
W x H mm	Price €	Quantity scale from	Scale price €	Item no.		
400 x 400	177.35	3	164.15	9640-3040	N4	
500 x 500	211.50	3	190.40	9640-3050	N4	
600 x 600	241.60	3	220.60	9640-3060	N4	
 Accessories						
Description	Price €	Item no.				
Rods for draining rack length 60 mm, dia. 6 mm	1.13	9640-0421 N4				
Rods for draining rack length 100 mm, dia. 10 mm	1.13	9640-0410 N4				
Extension rods for draining rack length 150 mm, dia. 12 mm	1.51	9640-0415 N4				

## Test-tube racks



Universal test tube rack with retention system. Allows all test tubes to be emptied simultaneously. Suitable for test tubes in most standard diameters. Alphanumerically marked positions for specific identification of samples. Test tube rack with 24 storing positions without retention system.

- PP, white, shatterproof
- Steam sterilisable up to +121 °C
- Dimensions: 246 x 104 x 64 mm

Test-tube racks							 	
For tubes up to ... dia. mm	Colour	No. of tubes	Price €	Quantity scale from	Scale price €	Item no.		
16	white	60	11.60	5	11.05	9635-0021	N3	
25	white	24	14.15	5	13.35	9635-0041	N3	

## SnowPack® dry ice machine | -79 °C cryogenic cooling on-tap



SnowPack® enables you to obtain a -79 °C dry ice tablet weighing 50 or 250 g within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.

SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.

Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc. Dry ice is easy to handle, odourless and flavourless. The SnowPack® dry ice machine can be installed on any commercial CO<sub>2</sub>-bottle with a standpipe (without pressure regu-



lator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.

### The use of SnowPack® is easy:

1. Simply screw SnowPack® onto a CO<sub>2</sub> bottle with standpipe.
2. Open the valve, CO<sub>2</sub> gas flows into the SnowPack® and crystallises to dry ice.
3. Open the clamp.
4. Take out the dry ice pellet.



- Ideal cooling media for sample transport
- Performance depends on room temperature and pressure



### SnowPack® dry ice machine

Model	Tablet dia. x H mm	Weight g	Gas escape time ca. min	Tablets per 22 kg bottle	Price €	Item no.
SnowPack® 50	50 x 30	50	1	approx. 90	212.15	9805-0030 N4
SnowPack® 250	80 x 60	250	1	approx. 16	260.70	9805-0200 N4

## PVC pressure tubing



Fabric reinforced, permanent transparency, increased flexibility, high chemical resistance, excellent ageing and abrasion resistance, environmentally friendly, cadmium-free. Foodstuffs quality according to the EC Guideline 1935/2004.

- ▶ Clear
- ▶ Hardness Shore A 70 ± 3
- ▶ Operating temperature -20 °C to +60 °C
- ▶ TÜV-approved (German industry standards)

The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

### PVC pressure tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thick- ness mm	Pressure max. bar	Price €	Item no.	
6	10	12	3	20	18.10	8802-0612	N3
6	50	12	3	20	48.75	8876-0612	N3
8	10	14	3	18	20.95	8802-0814	N3
8	50	14	3	18	59.05	8876-0814	N3
9	10	15	3	16	22.35	8802-0915	N3
9	50	15	3	16	64.45	8876-0915	N3
10	10	16	3	14	24.05	8802-1016	N3
10	50	16	3	14	71.40	8876-1016	N3
12	10	18	3	14	29.30	8802-1218	N3
12	50	18	3	14	92.80	8876-1218	N3
13.2	10	20	3.3	12	31.50	8802-1320	N3
13.2	50	20	3.3	12	107.65	8876-1320	N3

### Accessories

Description	Price €	Item no.	
Hose cutter	8.45	0006-9506	N3

## PVC industrial tubing



Hose made of soft PVC, cadmium-free, with high resistance to chemicals, high flexibility and permanent crystal clear transparency and excellent abrasion resistance. Foodstuffs quality according to the EC Guideline 1935/2004.

- ▶ Clear
- ▶ Hardness Shore A 80 ± 3
- ▶ Operating temperature -20 °C to +50 °C
- ▶ For pressureless operation

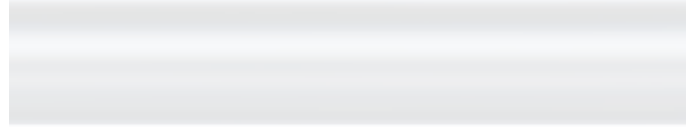
### PVC industrial tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Price €	Item no.	
2	10	4	1	5.55	8801-0204	N3
2	100	4	1	12.70	8875-0204	N3
3	10	5	1	6.75	8801-0305	N3
3	100	5	1	17.25	8875-0305	N3
4	10	6	1	8.10	8801-0406	N3
4	100	6	1	19.75	8875-0406	N3
5	10	7	1	8.75	8801-0507	N3
5	100	7	1	23.75	8875-0507	N3
6	10	8	1	9.35	8801-0608	N3
6	100	8	1	28.35	8875-0608	N3
7	10	10	1.5	13.05	8801-0710	N3
7	100	10	1.5	50.85	8875-0710	N3
8	10	11	1.5	13.35	8801-0811	N3
8	50	11	1.5	28.90	8875-0811	N3
9	10	12	1.5	13.55	8801-0912	N3
9	50	12	1.5	29.70	8875-0912	N3
10	10	13	1.5	15.00	8801-1013	N3
10	50	13	1.5	34.30	8875-1013	N3
12	10	16	2	20.05	8801-1216	N3
12	50	16	2	51.95	8875-1216	N3
13	10	19	3	27.95	8801-1319	N3
13	50	19	3	86.15	8875-1319	N3
19	10	25	3	36.30	8801-1925	N3
19	50	25	3	117.10	8875-1925	N3

### Accessories

Description	Price €	Item no.	
Hose cutter	8.45	0006-9506	N3

## PTFE tubing



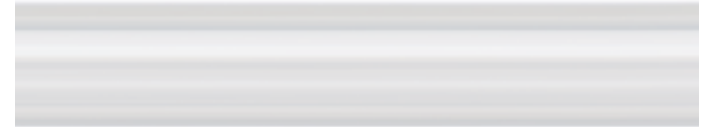
Excellent properties: Extremely high chemical resistance against nearly all chemicals, smallest frictional coefficient, excellent anti-adhesive qualities/residue emptying. PTFE hoses do not emit odours, do not burn or smoke and are resistant to ageing and UV light. Not resistant to fluorine compounds or strong reducing agents.

- ▶ Transparent
- ▶ Hardness Shore D 55
- ▶ Temperature -200 °C to +260 °C
- ▶ Autoclavable, ethylene oxide
- ▶ Flavour and odour neutral

The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

PTFE tubing								
Inner dia. mm	Roll length m	Outer dia. mm	Wall thick- ness mm	Pressure max. bar	Price €	Item no.		
1	5	3	1	240	19.05	8804-0103	N3	
1	50	3	1	240	118.55	8879-0103	N3	
2	5	4	1	120	24.50	8804-0204	N3	
2	50	4	1	120	160.60	8879-0204	N3	
3	5	5	1	80	31.00	8804-0305	N3	
3	50	5	1	80	219.25	8879-0305	N3	
4	5	6	1	60	34.35	8804-0406	N3	
4	50	6	1	60	244.65	8879-0406	N3	
6	5	8	1	40	44.10	8804-0608	N3	
6	50	8	1	40	308.05	8879-0608	N3	
8	5	10	1	30	58.20	8804-0810	N3	
8	50	10	1	30	414.95	8879-0810	N3	
10	5	12	1	20	71.75	8804-1012	N3	
10	50	12	1	20	502.90	8879-1012	N3	
Accessories								
Description					Price €	Item no.		
Hose cutter					8.45	0006-9506	N3	

## PE tubing



The PE hose is recognised as safe physiologically, resistant against (non-oxidizing) acids, caustic solutions, salts and a number of solvents, pressure resistant, flexible, impact resistant, light, resistant to compression, up to + 80 °C deformation resistant.

- ▶ Transparent
- ▶ Hardness Shore A 80 ± 3
- ▶ Temperature -40 °C to +95 °C
- ▶ Suitable for food

The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

PE tubing								
Inner dia. mm	Roll length m	Outer dia. mm	Wall thick- ness mm	Pressure max. bar	Price €	Item no.		
3	10	5	1	13	9.80	8805-0305	N3	
3	100	5	1	13	31.30	8878-0305	N3	
4	10	6	1	10	10.65	8805-0406	N3	
4	100	6	1	10	42.80	8878-0406	N3	
6	10	8	1	7	15.65	8805-0608	N3	
6	100	8	1	7	55.70	8878-0608	N3	
10	10	14	2	8	31.40	8805-1014	N3	
10	100	14	2	8	202.20	8878-1014	N3	
12	10	16	2	7	36.10	8805-1216	N3	
Accessories								
Description					Price €	Item no.		
Hose cutter					8.45	0006-9506	N3	



## Silicone tubing



Very flexible, transparent hose. Good resistance against weak acids and alkalis. Do not use for strong acids and caustic solutions. Swells in organic solvents. Largely nonreactive to ionising solvents except chlorinated aliphatic and aromatic hydrocarbons.

- ▶ Transparent
- ▶ Hardness Shore A 60 ± 5
- ▶ Temperature -60 °C up to +180 °C
- ▶ Autoclavable, ethylene oxide
- ▶ Suitable for food

Silicone tubing						
Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Price €	Item no.	
3	5	5	1	10.40	8803-0305	N3
3	25	5	1	28.35	8881-0305	N3
4	5	6	1	11.15	8803-0406	N3
4	25	6	1	33.55	8881-0406	N3
5	5	8	1.5	17.35	8803-0508	N3
5	25	8	1.5	57.10	8881-0508	N3
6	5	9	1.5	19.75	8803-0609	N3
6	25	9	1.5	66.40	8881-0609	N3
7	5	10	1.5	22.10	8803-0710	N3
7	25	10	1.5	73.50	8881-0710	N3
8	5	12	2	29.40	8803-0812	N3
8	25	12	2	101.05	8881-0812	N3
10	5	15	2.5	46.65	8803-1015	N3
10	25	15	2.5	155.65	8881-1015	N3
12	5	16	2	42.75	8803-1216	N3
12	25	16	2	141.90	8881-1216	N3
Accessories						
Description				Price €	Item no.	
Hose cutter				8.45	0006-9506	N3

## Hose cutter



Edges cut with the hose cutter are always clean and flat, even in the case of thick hoses.

Hose cutter			
Price €	Quantity scale from	Scale price €	Item no.
8.45	10	7.65	0006-9506 N3

## Make connections – with Bürkle LaboPlast® hose connectors



Bürkle offers a large portfolio of different hose connectors that are used to extend, connect, branch, join and repair hoses, etc.



The ranges of application are diverse and thus the requirements for shape, size and material properties are broadly based.



We produce our LaboPlast® hose connectors in many sizes and shapes (I, T, Y, X, L) to be able to also safeguard a flexible and safe solution and connection for demanding applications at all times.



We offer these connectors made of polypropylene as standard. However here we would like to point out our connectors made of PVDF (polyvinylidene fluoride).



Do you prefer moving images of our connectors?  
– No problem! Visit us at

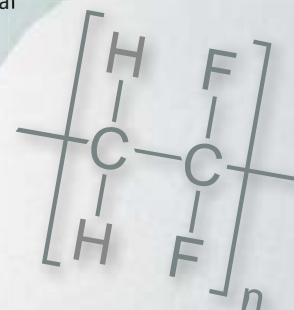
[www.buerkle.de/videos](http://www.buerkle.de/videos)

or simply scan the code opposite with your smartphone and select the films that you find interesting.

## PVDF – for demanding applications

PVDF is a fluoropolymer with superior product properties:

- ▶ Highest chemical resistance
- ▶ High temperature resistance (up to 160 °C)
- ▶ Food industry approval
- ▶ Autoclavable
- ▶ UV-resistant



If you value high-quality and flexible solutions for demanding applications, test our unique connector made of PVDF.

**Improve your connections –  
with Bürkle LaboPlast® PVDF hose connectors!**



## Y-connectors

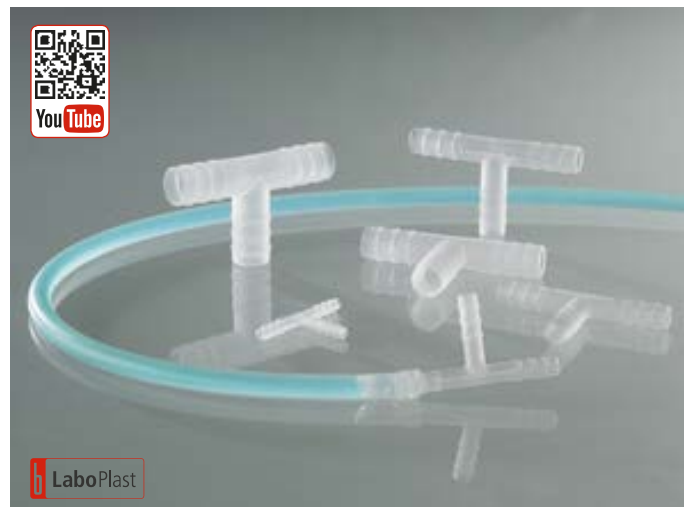


Cylindrical Y hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable

Y-connectors							
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10	7.00	20	6.20	8706-0004	N4
PP	5-7	10	8.05	20	7.30	8706-0006	N4
PP	6-8	10	9.30	20	8.35	8706-0007	N4
PP	7-9	10	10.20	20	9.35	8706-0008	N4
PP	9-11	10	11.65	20	10.60	8706-0010	N4
PP	11-13	10	13.35	20	12.05	8706-0012	N4
PP	13-15	10	15.45	20	14.05	8706-0014	N4
PVDF	3-5	10	10.15	20	9.05	8712-0004	N4
PVDF	5-7	10	11.35	20	10.35	8712-0006	N4
PVDF	7-9	10	14.50	20	13.10	8712-0008	N4
PVDF	9-11	10	16.65	20	15.05	8712-0010	N4
PVDF	11-13	10	19.00	20	17.10	8712-0012	N4
PVDF	13-15	10	21.85	20	19.70	8712-0014	N4

## T-connectors



Cylindrical T hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable

T-connectors							
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10	4.80	20	4.40	8705-0004	N4
PP	5-7	10	6.00	20	5.30	8705-0006	N4
PP	7-9	10	7.00	20	6.20	8705-0008	N4
PP	9-11	10	8.05	20	7.30	8705-0010	N4
PP	11-13	10	9.35	20	8.15	8705-0012	N4
PP	13-15	10	10.80	20	9.80	8705-0014	N4
PVDF	3-5	10	7.00	20	6.40	8711-0004	N4
PVDF	5-7	10	8.55	20	7.80	8711-0006	N4
PVDF	7-9	10	10.40	20	9.25	8711-0008	N4
PVDF	9-11	10	11.60	20	10.60	8711-0010	N4
PVDF	11-13	10	13.15	20	11.85	8711-0012	N4
PVDF	13-15	10	15.50	20	13.90	8711-0014	N4

## Angled connectors



Cylindrical angle hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable

Angled connectors							
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10	3.84	20	3.50	8707-0004	N4
PP	5-7	10	4.28	20	3.84	8707-0006	N4
PP	7-9	10	4.51	20	4.07	8707-0008	N4
PP	9-11	10	5.30	20	4.83	8707-0010	N4
PP	11-13	10	6.35	20	5.80	8707-0012	N4
PP	13-15	10	7.60	20	6.85	8707-0014	N4
PVDF	3-5	10	5.95	20	5.40	8713-0004	N4
PVDF	5-7	10	6.50	20	5.95	8713-0006	N4
PVDF	7-9	10	6.80	20	6.25	8713-0008	N4
PVDF	9-11	10	8.20	20	7.50	8713-0010	N4
PVDF	11-13	10	9.80	20	8.75	8713-0012	N4
PVDF	13-15	10	12.10	20	10.85	8713-0014	N4

## Four-way-connectors



Cylindrical four-way hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable





Four-way-connectors							
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10	7.15	20	6.30	8708-0004	N4
PP	5-7	10	8.20	20	7.45	8708-0006	N4
PP	7-9	10	10.40	20	9.55	8708-0008	N4
PP	9-11	10	11.85	20	10.80	8708-0010	N4
PP	11-13	10	13.60	20	12.30	8708-0012	N4
PP	13-15	10	15.75	20	14.30	8708-0014	N4
PVDF	3-5	10	10.80	20	9.60	8717-0004	N4
PVDF	5-7	10	12.10	20	11.00	8717-0006	N4
PVDF	7-9	10	15.40	20	13.90	8717-0008	N4
PVDF	9-11	10	17.70	20	16.00	8717-0010	N4
PVDF	11-13	10	20.20	20	18.15	8717-0012	N4
PVDF	13-15	10	23.25	20	20.95	8717-0014	N4

## Hose tubing connectors, straight



Cylindrical straight hose connectors for various hose sizes.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable





Hose tubing connectors, straight, cylindrical nozzles    						
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
PP	3-5	10	3.34	20	3.13	8701-0004 N4
PP	5-7	10	4.28	20	3.84	8701-0006 N4
PP	7-9	10	4.83	20	4.39	8701-0008 N4
PP	9-11	10	5.45	20	4.89	8701-0010 N4
PP	11-13	10	6.20	20	5.70	8701-0012 N4
PP	13-15	10	7.10	20	6.45	8701-0014 N4
PVDF	3-5	10	5.15	20	4.49	8710-0004 N4
PVDF	5-7	10	6.35	20	5.80	8710-0006 N4
PVDF	7-9	10	7.35	20	6.60	8710-0008 N4
PVDF	9-11	10	8.25	20	7.35	8710-0010 N4
PVDF	11-13	10	9.25	20	8.45	8710-0012 N4
PVDF	13-15	10	11.20	20	9.90	8710-0014 N4

## Universal hose tubing connectors



Conical, straight hose connectors for universal use.

- ▶ PP, Temperature resistant up to +135 °C max.
- ▶ PVDF, Temperature resistant up to +160 °C max., highly resistant to chemicals
- ▶ Sterilisable

Universal hose tubing connectors with conical nozzles    						
Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
PP	4-17	10	16.85	20	15.30	8700-0417 N4
PVDF	4-17	10	25.25	20	22.95	8710-0417 N4

## Hose tubing connectors



Conical, straight hose connectors for various hose sizes.

- PP
- Sterilisable

## Reducing hose connectors



Reducing nozzles for the reduction from bigger to small hoses.

- PP
- Sterilisable

## Hose couplings



Attachable, conical hose couplings for pressureless operation.

- PE

### Hose tubing connectors



For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
3-5	10	6.40	10	5.80	8700-0406	N3
5-7	10	6.90	10	6.35	8700-0608	N3
7-10	10	8.50	10	7.65	8700-0810	N3
9-12	10	9.90	10	9.10	8700-1012	N3
11-14	10	11.90	10	10.85	8700-1214	N3
13-15	10	13.50	10	12.50	8700-1416	N3

### Reducing hose connectors



For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
4-8/8-12	10	13.40	10	12.55	8703-0408	N3
4-8/12-16	10	14.80	10	13.70	8703-0412	N3
8-12/12-16	10	16.60	10	14.80	8703-0812	N3

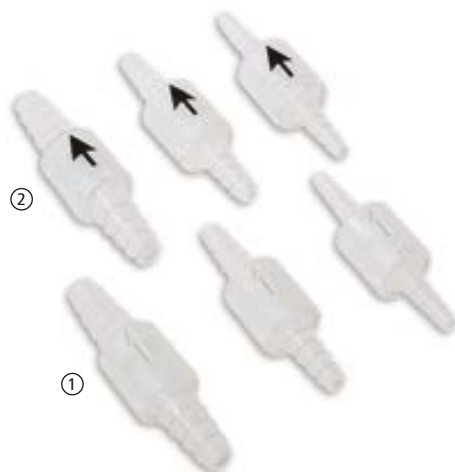
### Hose couplings



For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
3-5	10	12.25	10	11.15	8704-0406	N3
5-7	10	13.25	10	12.25	8704-0608	N3
7-10	10	16.05	10	14.15	8704-0810	N3
9-12	10	17.15	10	15.55	8704-1012	N3
11-14	10	19.85	10	18.05	8704-1214	N3
13-16	10	21.60	10	19.60	8704-1416	N3



## Non-return valves



Retaining valve with embossed directional arrow or printed in black. With conical nozzles. Various uses.

- ▶ Resistant to compression max. 4 bar
- ▶ Operating temperature +0 to +40 °C
- ▶ With PP valve ball, on request also with ball made of stainless steel or PTFE



### Non-return valves with conical inlet/outlet

For dia. mm	Print	Price €	Quantity scale from	Scale price €	Item no.	
① 6-8	embossed	2.45	100	2.23	8714-0060	N4
① 8-10	embossed	2.45	100	2.23	8714-0080	N4
① 10-14	embossed	3.06	100	2.42	8714-0100	N4
② 6-8	black	2.68	100	2.46	8714-1006	N4
② 8-10	black	2.68	100	2.46	8714-1008	N4
② 10-14	black	3.29	100	2.65	8714-1010	N4

## Magic Box



In this magic box, you can invariably find the appropriate hose connector you are looking for. Magic box includes 68 connectors: **Two of each** in sizes **4, 6, 8, 10, 12 and 14 mm**

- ▶ Straight hose connector Item No. 8701-
- ▶ T hose connector Item No. 8705-
- ▶ Y hose connector Item No. 8706-
- ▶ X hose connector Item No. 8708-
- ▶ Angle hose connector Item No. 8707-

**Two of each** for hoses from **4-17 mm**

- ▶ Universal hose connector Item No. 8700-0417

**Two of each** in sizes **4-8, 4-12 and 8-12 mm**

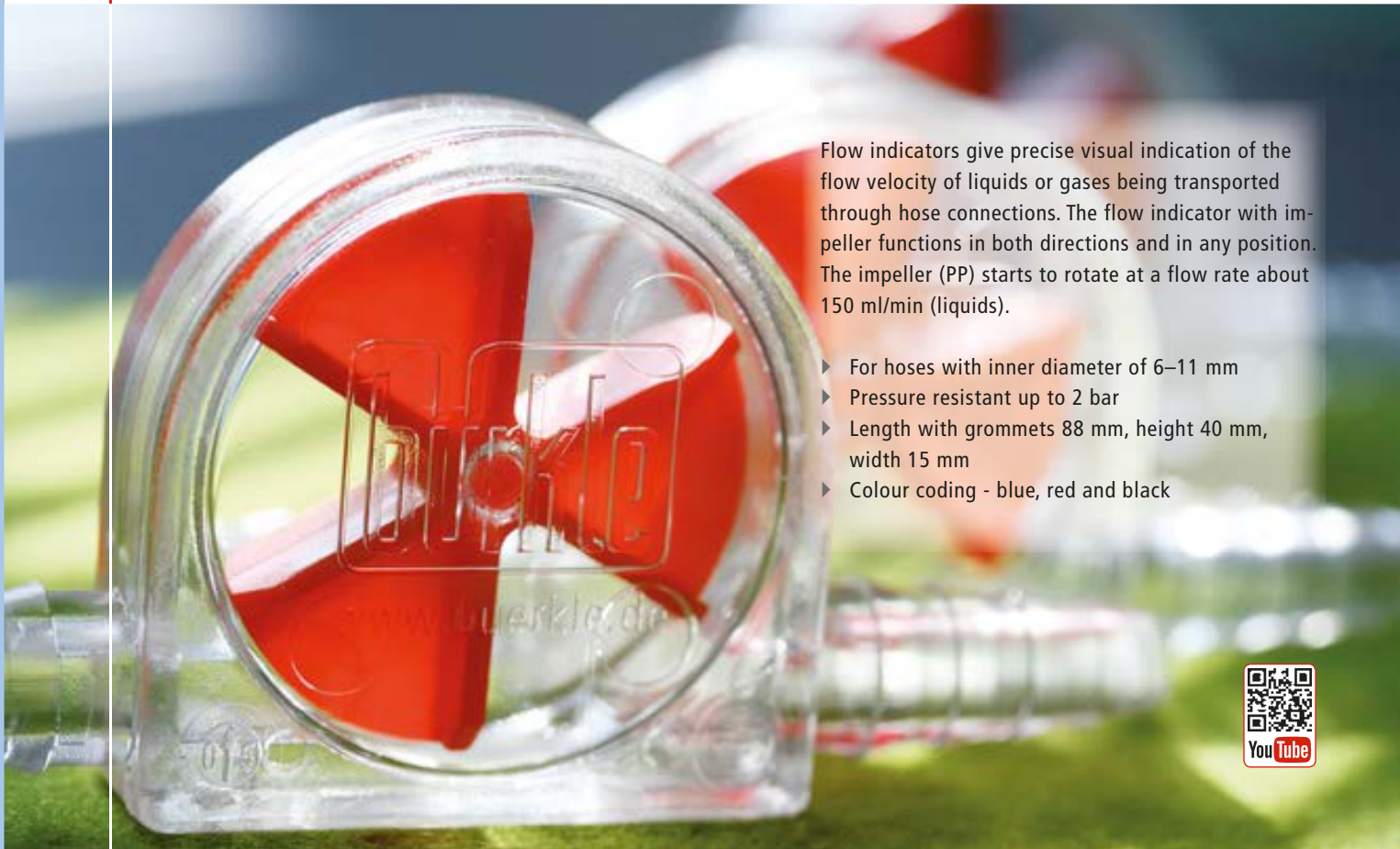
- ▶ Reducing hose connector Item No. 8703-
- ▶ PP, shatterproof and transparent

### Magic Box

Price €	Quantity scale from	Scale price €	Item no.
61.15	5	54.85	8715-1000 N4



## Flow indicators



Flow indicators give precise visual indication of the flow velocity of liquids or gases being transported through hose connections. The flow indicator with impeller functions in both directions and in any position. The impeller (PP) starts to rotate at a flow rate about 150 ml/min (liquids).

- ▶ For hoses with inner diameter of 6–11 mm
- ▶ Pressure resistant up to 2 bar
- ▶ Length with grommets 88 mm, height 40 mm, width 15 mm
- ▶ Colour coding - blue, red and black



## Flow indicators LiquiMobil SAN



LiquiMobil flow indicator made of SAN is mainly suitable for cooling systems and helps to reduce water consumption considerably because the cooling water flow can be adjusted better. Not suitable for aggressive substances.

- Operating temperature LiquiMobil SAN max. +30 °C

## Flow indicators CheMobil PMP



CheMobil made of PMP/TPX can be used for many substances due to its good chemical resistance. Not suitable for strong acids, alkalis and solvents. CheMobil can be steam sterilised.

- Operating temperature CheMobil PMP max. +60 °C

### Flow indicators LiquiMobil SAN

Colour	Price €	Quantity scale from	Scale price €	Item no.	
red	9.65	10	8.85	8720-1002	N4
black	9.65	10	8.85	8720-1003	N4
blue	9.65	10	8.85	8720-1005	N4



### Flow indicators CheMobil PMP

Colour	Price €	Quantity scale from	Scale price €	Item no.	
red	11.90	10	10.50	8720-2002	N4
black	11.90	10	10.50	8720-2003	N4
blue	11.90	10	10.50	8720-2005	N4



## stop-it hose clamps



The hose clip can be used wherever the flow in hoses with liquids or gases needs to be regulated or stopped.

Stepless flow regulation: With the hose clip stop-it's knurled screw, a stepless, delicate flow regulation or complete stop of the flow are possible, even for existing hose connections. The hose is compressed over a wide area against the sturdy steel hook in order to prevent it from being damaged.



## stop-it with Easy-Click closure



Easy-Click closure - stop-it can be opened and closed in any position - without tiresome screwing on and off. High quality material - stop-it made from the heat resistant and chemical resistant plastic PVDF. The clamp is galvanised steel.

- ▶ PVDF, aluminium and steel, zinc coated
- ▶ Temperature resistant up to 140 °C
- ▶ For flexible hoses with outer Ø up to 10 mm, 15 mm and 20 mm
- ▶ Available in four fresh colours

## stop-it metal



The materials steel and aluminium ensure that the stop-it metal is extremely heat resistant and sturdy. The hose clip is available in four different sizes, for hose diameters up to max. 30 mm.

- ▶ Galvanised steel and aluminium
- ▶ For flexible hoses with outer Ø up to 10 mm, 15 mm, 20 mm and 30 mm

**Bulk prices**

### stop-it with Easy-Click closure

For dia. mm	Colour	Price €	Quantity scale from	Scale price €	Item no.	
to 10	red	2.19	50	1.98	8619-0102	N4
to 10	yellow	2.19	50	1.98	8619-0104	N4
to 10	blue	2.19	50	1.98	8619-0105	N4
to 10	green	2.19	50	1.98	8619-0106	N4
to 15	red	3.66	50	3.41	8619-0152	N4
to 15	yellow	3.66	50	3.41	8619-0154	N4
to 15	blue	3.66	50	3.41	8619-0155	N4
to 15	green	3.66	50	3.41	8619-0156	N4
to 20	red	4.61	50	4.21	8619-0202	N4
to 20	yellow	4.61	50	4.21	8619-0204	N4
to 20	blue	4.61	50	4.21	8619-0205	N4
to 20	green	4.61	50	4.21	8619-0206	N4

### stop-it metal

For dia. mm	Price €	Quantity scale from	Scale price €	Item no.		
up to 10	2.75	50	2.51	8619-0510	N4	
up to 15	4.40	50	3.92	8619-0515	N4	
up to 20	4.79	50	4.26	8619-0520	N4	
up to 30	7.30	50	6.50	8619-0530	N4	

## Hose clamp Squeeze-Fix



The hose can be squeezed in phases or completely compressed, as required.

- Can be operated with one hand
- POM (white, sterilisable, does not rust, permanently elastic, hygienic)

### Hose clamp Squeeze-Fix



For dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
1-5	25	0.55	100	0.47	8618-0001	N3
3-10	40	1.41	100	1.23	8618-0002	N3
6-15	55	2.07	100	1.87	8618-0003	N3

## Hose clips POM



Hose clips made of Polyacetal (POM).

### Hose clips POM



For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
6 - 6.5	10	3.29	10	3.03	8678-0006	N3
9 - 10	10	3.19	10	2.92	8678-0010	N3
10 - 11	10	3.19	10	2.92	8678-0011	N3
11 - 12	10	3.19	10	2.92	8678-0012	N3
12 - 14	10	3.19	10	2.92	8678-0014	N3
13 - 15	10	3.19	10	2.92	8678-0015	N3
15 - 17	10	3.19	10	2.92	8678-0017	N3
17 - 19	10	3.19	10	2.92	8678-0019	N3
18 - 20	10	3.99	10	3.72	8678-0020	N3
20 - 22	10	3.99	10	3.72	8678-0022	N3
23 - 25	10	3.99	10	3.72	8678-0025	N3

## Worm-threaded hose clips



Hose clip sleeve made of stainless steel 1.4016, screw zinc coated, with screw thread.

### Worm-threaded hose clips stainless steel

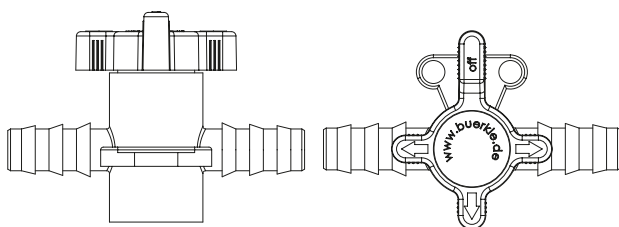
For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
8-12	10	10.75	10	9.70	8677-0812	N3
10-16	10	10.85	10	9.85	8677-1016	N3
12-20	10	12.55	10	11.40	8677-1220	N3
16-27	10	12.80	10	11.50	8677-1625	N3
20-32	10	12.95	10	11.70	8677-2032	N3
25-40	10	13.25	10	12.15	8677-2540	N3



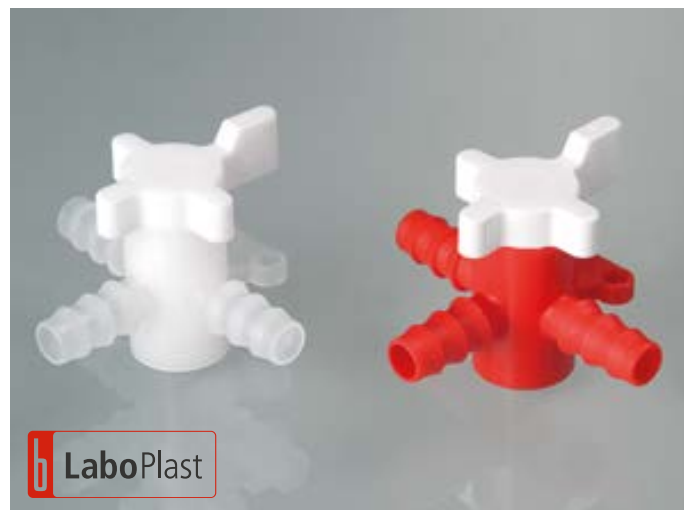
## Two-way valves



Two and three-way valves are used for transfer of liquids or gases in order to release the flow, to block it or to change its direction.



## Three-way valves



- ▶ PVDF: excellent chemical resistance, transparent, suitable for food
- ▶ PP/PE: for industrial use, red/white
- ▶ Operating temperature: PVDF +0 up to +40 °C, PP/PE +5 up to +40 °C
- ▶ Resistant to compression max. 1 bar
- ▶ With mounting plate for easy installation



### Two-way valves

Material	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
PP/PE	5-7	4	5.90	50	5.25	8605-0060	N4
PP/PE	7-9	6	6.80	50	6.20	8605-0080	N4
PP/PE	9-11	8	7.80	50	7.00	8605-0100	N4
PP/PE	11-13	8	7.80	50	7.00	8605-0120	N4
PVDF	5-7	4	9.80	50	8.90	8607-0060	N4
PVDF	7-9	6	11.60	50	10.50	8607-0080	N4
PVDF	9-11	8	13.30	50	12.00	8607-0100	N4
PVDF	11-13	8	13.30	50	12.00	8607-0120	N4

### Three-way valves

Material	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
PP/PE	5-7	4	9.80	50	8.90	8606-0060	N4
PP/PE	7-9	6	11.60	50	10.50	8606-0080	N4
PP/PE	9-11	8	13.30	50	12.00	8606-0100	N4
PP/PE	11-13	8	13.30	50	12.00	8606-0120	N4
PVDF	5-7	4	15.30	50	13.90	8608-0060	N4
PVDF	7-9	6	17.25	50	15.45	8608-0080	N4
PVDF	9-11	8	18.60	50	17.05	8608-0100	N4
PVDF	11-13	8	18.60	50	17.05	8608-0120	N4

## Valves made of PTFE, two-way and three-way



Two-way / three-way valves made of solid PTFE with hose nozzles. Resistant to chemicals. Very easy connection thanks to its excellent antifriction properties. Blue handles made of PP.

- ▶ Resistant to compression max. 1 bar
- ▶ Vacuum suitable up to  $10^{-1}$  mmHg
- ▶ Autoclavable

### Valves made of PTFE, two-way and three-way

Model	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
three-way valve	4.5	2	56.80	10	51.25	8610-0001	N4
three-way valve	6.8	3	56.80	10	51.25	8610-0003	N4
three-way valve	10	4	73.60	10	64.30	8610-0006	N4
two-way valve	4.5	2	34.10	10	30.80	8610-0010	N4
two-way valve	6.8	3	34.10	10	30.80	8610-0012	N4
two-way valve	10	4	45.60	10	40.85	8610-0015	N4

## Hose tubing stop-cock



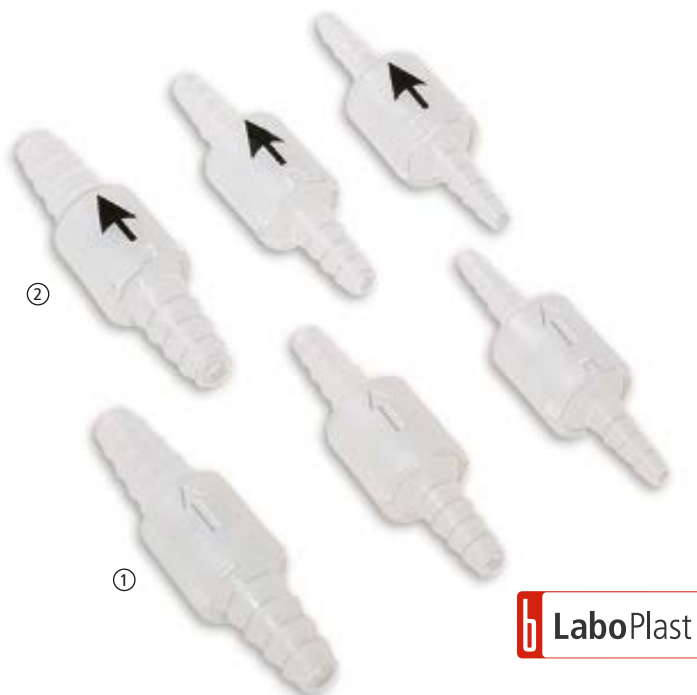
Simple reflux nozzle with two-sided hose nozzle.

- ▶ HDPE natural
- ▶ Resistant to acids and chemicals
- ▶ Pressure resistant up to 0.3 bar

### Hose tubing stop-cock

For dia. mm	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
9-11	7	85	4.01	50	3.50	8614-0007	N4
12-15	9	97	6.05	50	5.35	8614-0009	N4

## Non-return valves with conical inlet/outlet



Retaining valve with embossed directional arrow or printed in black. With conical nozzles. Various uses.

- ▶ Resistant to compression max. 4 bar
- ▶ Operating temperature +0 to +40 °C
- ▶ With PP valve ball, on request also with ball made of stainless steel or PTFE

## Non-return valves PP



Valve made of PP and POM, seal made of EPDM, springs made of stainless steel 1.4401.

- ▶ Max. operating pressure 6 bar (at +20 °C)
- ▶ Max. operating temperature 80 °C
- ▶ Pressure difference 12 mbar

Non-return valves with conical inlet/outlet



For dia. mm	Print	Price €	Quantity scale from	Scale price €	Item no.
① 6-8	embossed	2.45	100	2.23	8714-0060 N4
① 8-10	embossed	2.45	100	2.23	8714-0080 N4
① 10-14	embossed	3.06	100	2.42	8714-0100 N4
② 6-8	black	2.68	100	2.46	8714-1006 N4
② 8-10	black	2.68	100	2.46	8714-1008 N4
② 10-14	black	3.29	100	2.65	8714-1010 N4

Non-return valves PP



Thread	Price €	Quantity scale from	Scale price €	Item no.
1/2"	12.25	5	11.00	8540-0012 N3

## Rapid couplings



Fast and safe connection for liquids, gases, compressed air and vacuum. Rapid couplings are the ideal when connecting and separating hoses, machines, apparatus, containers, etc. Top quality, with tested reliability, small space requirement, maximum possible flow, easy operation (single handed operation) and an elegant design distinguish the rapid couplings. They fulfil the most stringent requirements. The couplings are available in two different materials: POM (Polyoxymethylene) and PP (Polypropylene). The rapid couplings are available with a hose nozzle, hose screw joint, thread connector or as a built-in component for control panels, with or without stop-valve respectively.

The secure O-ring guarantees that rapid couplings are leakproof. All the couplings (female connections) and nipples (male connections) that are within the same flow range are interconnecting.

- ▶ Spring/lock Stainless steel AISI 316L

### Body POM:

- ▶ Seal (standard): Buna-N
- ▶ Operating pressure at 20 °C: with vacuum up to 10 bar
- ▶ Operating temperature: -40 °C to +80 °C

### Body PP:

- ▶ Seal (standard): EPDM
- ▶ Operating pressure at 20 °C: up to 8 bar
- ▶ Operating temperature: 0 °C to +110 °C


### Use with version with valve

1. The couplings are simply connected to each other, automatically clicking into place and opening the valves.
2. When disconnecting, (one handed operation), the valves are automatically sealed, no leakage occurs.




## Hose couplings, 100 % plastic (POM), nw 6.4 mm




Hose couplings, 100 % plastic (POM), nw 6.4 mm, <b>complete</b> 								
Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
coupling, complete, without valve	6.4	hose nozzle	6.4	54	5.85	25	5.30	8780-1040 N3
coupling, complete, without valve	9.5	hose nozzle	6.4	54	5.85	25	5.30	8780-1060 N3




Hose couplings, 100 % plastic (POM), nw 6.4 mm, <b>male connections, hose nipples with hose nozzles</b> 								
Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
nipple, without valve	6.4	hose nozzle	6.4	36	2.15	25	2.03	8782-1040 N3
nipple, without valve	9.5	hose nozzle	6.4	36	2.15	25	2.03	8782-1060 N3




Hose couplings, 100 % plastic (POM), nw 6.4 mm, <b>male connections, angled nipples with hose nozzle</b> 								
Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
angled-nipple, without valve	9.5	hose nozzle	6.4	23	5.05	25	4.65	8783-1060 N3



Hose couplings, 100 % plastic (POM), nw 6.4 mm, <b>female connections, hose couplings with hose nozzles</b> 								
Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
coupling, without valve	6.4	hose nozzle	6.4	34	3.83	25	3.55	8781-1040 N3
coupling, without valve	9.5	hose nozzle	6.4	34	3.83	25	3.55	8781-1060 N3



Hose couplings, 100 % plastic (POM), nw 6.4 mm, <b>female connections, hose couplings with conical external thread</b> 								
Model	Thread	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
coupling, without valve	3/8" NPT	thread	6.4	35	6.15	25	5.80	8783-1062 N3

## Rapid couplings, nw 3.2 mm, female connections



### Rapid couplings, nw 3.2 mm, female connections, hose couplings with conical external thread



Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/8" NPT	POM	with valve	26	13.35	25	12.45	8740-1122 N3
1/4" NPT	POM	with valve	28	13.35	25	12.45	8740-1142 N3
1/4" BSP	POM	with valve	28	14.05	25	13.00	8740-1141 N3
1/8" NPT	PP	with valve	26	15.90	25	14.60	8740-2022 N3



### Rapid couplings, nw 3.2 mm, female connections, hose couplings with hose nozzles



Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
3.2	POM	with valve	42	13.50	25	12.65	8741-1202 N3
4.8	POM	with valve	47	14.05	25	13.00	8741-1203 N3
6.4	POM	with valve	47	13.50	25	12.65	8741-1204 N3
3.2	POM	without valve	42	9.35	25	8.75	8741-1002 N3
4.8	POM	without valve	47	9.70	25	9.05	8741-1003 N3
6.4	POM	without valve	47	9.35	25	8.75	8741-1004 N3
3.2	PP	with valve	42	15.00	25	14.90	8741-2002 N3



### Rapid couplings, nw 3.2 mm, female connections, hose couplings with hose screw-joint



Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	44	14.30	25	13.25	8742-1104 N3
4 x 6	PP	with valve	44	23.20	25	21.30	8742-2004 N3



### Rapid couplings, nw 3.2 mm, female connections, for plate mounting with hose nozzle



Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1.6	POM	with valve	13	36	20.45	25	18.80	8743-1101 N3
3.2	POM	with valve	13	42	18.80	25	17.35	8743-1102 N3
4.8	POM	with valve	13	47	19.15	25	17.60	8743-1103 N3
6.4	POM	with valve	13	47	19.15	25	17.60	8743-1104 N3
1.6	PP	with valve	13	36	24.25	25	22.25	8743-2001 N3
6.4	PP	with valve	13	47	23.20	25	21.30	8743-2004 N3



### Rapid couplings, nw 3.2 mm, female connections, for plate mounting with hole screw-joint



Plate borehole dia. mm	Material	Model	Hose inner x outer dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
13	POM	with valve	4 x 6	44	19.35	25	17.85	8744-1104 N3
13	POM	without valve	4 x 6	44	17.50	25	15.90	8744-1004 N3
13	PP	with valve	4 x 6	44	24.55	25	22.55	8744-2004 N3



## Rapid couplings, nw 3.2 mm, male connections



### Rapid couplings, nw 3.2 mm, male connections, hose nipples with **external thread**

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
1/8" NPT	POM	without valve	15	4.52	25	4.27	8750-1022	N3
1/8" BSP	POM	with valve	22	13.85	25	12.85	8750-1121	N3

### Rapid couplings, nw 3.2 mm, male connections, hose nipples with **hose nozzles**

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
1.6	POM	without valve	20	3.93	25	3.67	8751-1001	N3
3.2	POM	without valve	27	2.44	25	2.27	8751-1002	N3
4.8	POM	without valve	32	2.86	25	2.72	8751-1003	N3
6.4	POM	without valve	32	3.02	25	2.86	8751-1004	N3
1.6	POM	with valve	34	14.70	25	13.50	8751-1101	N3
3.2	POM	with valve	42	13.25	25	12.20	8751-1102	N3
4.8	POM	with valve	44	13.35	25	12.55	8751-1103	N3
6.4	POM	with valve	40	13.25	25	12.20	8751-1104	N3
1.6	PP	with valve	34	19.55	25	18.05	8751-2101	N3
3.2	PP	with valve	43	15.00	25	13.85	8751-2102	N3
6.4	PP	with valve	40	17.35	25	15.70	8751-2104	N3

### Rapid couplings, nw 3.2 mm, male connections, hose nipple with **hose screw-joint**

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
4 x 6	POM	without valve	37	6.55	25	6.00	8752-1004	N3
4 x 6	POM	with valve	37	12.85	25	11.80	8752-1104	N3
2 x 4	POM	with valve	27	14.60	25	13.35	8752-1142	N3
4 x 6	PP	with valve	37	17.60	25	16.20	8752-2104	N3

### Rapid couplings, nw 3.2 mm, male connections, for plate mounting with **hose nozzle**

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
3.2	POM	with valve	13	41	18.35	25	17.00	8753-1102	N3
4.8	POM	with valve	13	46	19.35	25	17.85	8753-1103	N3
6.4	POM	with valve	13	46	19.05	25	17.50	8753-1104	N3

### Rapid couplings, nw 3.2 mm, male connections, for plate mounting with **hose screw-joint**

Hose inner x outer dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
4 x 6	POM	with valve	13	43	22.90	25	21.05	8754-1104	N3

### Rapid couplings, nw 3.2 mm, male connections, angled nipples with **hose nozzle**

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
3.2	POM	with valve	28	18.85	25	17.35	8755-1102	N3
6.4	POM	with valve	28	18.85	25	17.35	8755-1104	N3
6.4	PP	with valve	28	23.20	25	21.35	8755-2004	N3

## Rapid couplings, nw 6.4 mm, female connections



Rapid couplings, nw 6.4 mm, female connections, hose couplings with conical **external thread**



Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
1/4" BSP	POM	without valve	29	13.00	25	11.90	8760-1041	N3
1/4" NPT	POM	without valve	29	13.00	25	11.90	8760-1042	N3
3/8" BSP	POM	without valve	29	13.25	25	12.45	8760-1061	N3
1/4" BSP	POM	with valve	29	14.60	25	13.35	8760-1141	N3
1/4" NPT	POM	with valve	29	14.60	25	13.35	8760-1142	N3
1/4" NPT	PP	with valve	29	17.85	25	16.55	8760-2141	N3
3/8" NPT	PP	with valve	29	24.10	25	22.15	8760-2161	N3



Rapid couplings, nw 6.4 mm, female connections, hose couplings with **hose nozzles**



Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
6.5	POM	without valve	50	12.45	25	11.25	8761-1040	N3
8	POM	without valve	50	12.45	25	11.25	8761-1050	N3
9.5	POM	without valve	50	12.45	25	11.25	8761-1060	N3
6.5	POM	with valve	50	14.85	25	13.65	8761-1140	N3
8	POM	with valve	50	14.85	25	13.65	8761-1150	N3
9.5	POM	with valve	50	14.85	25	13.65	8761-1160	N3
6.5	PP	with valve	50	19.45	25	17.95	8761-2140	N3
9.5	PP	with valve	50	23.75	25	21.90	8761-2160	N3



Rapid couplings, nw 6.4 mm, female connections, for plate mounting with **hose nozzle**



Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
6.5	POM	without valve	19	50	24.90	25	23.00	8763-1040	N3
8	POM	without valve	19	50	26.30	25	23.90	8763-1050	N3
6.5	POM	with valve	19	50	27.95	25	25.60	8763-1140	N3
8	POM	with valve	19	50	29.40	25	26.85	8763-1150	N3
9.5	POM	with valve	19	50	27.95	25	25.60	8763-1160	N3
9.5	PP	with valve	19	50	31.80	25	29.25	8763-2160	N3



Rapid couplings, nw 6.4 mm, female connections, hose couplings with **hose screw-joint**



Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
4 x 6	POM	with valve	47	21.30	25	19.35	8762-1140	N3
8 x 10	POM	with valve	50	24.10	25	22.15	8762-1310	N3
6 x 8	POM	with valve	50	22.90	25	21.05	8762-1380	N3

## Rapid couplings, nw 6.4 mm, male connections



### Rapid couplings, nw 6.4 mm, male connections, hose nipples with external thread

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/4" NPT	POM	with valve	38	14.70	25	13.65	8770-1142 N3
1/4" BSP	POM	without valve	32	4.85	25	4.39	8770-1041 N3
1/4" NPT	POM	without valve	32	4.85	25	4.39	8770-1042 N3
1/4" NPT	PP	with valve	38	20.15	25	18.45	8770-2142 N3



### Rapid couplings, nw 6.4 mm, male connections, hose nipples with hose nozzles

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6.5	POM	without valve	32	3.14	25	2.72	8771-1040 N3
8	POM	without valve	32	3.14	25	2.72	8771-1050 N3
9.5	POM	without valve	32	3.14	25	2.72	8771-1060 N3
6.5	POM	with valve	47	14.60	25	13.50	8771-1140 N3
8	POM	with valve	47	14.60	25	13.50	8771-1150 N3
9.5	POM	with valve	42	14.60	25	13.50	8771-1160 N3
6.5	PP	with valve	47	17.35	25	15.70	8771-2140 N3
9.5	PP	with valve	42	19.05	25	17.50	8771-2160 N3



### Rapid couplings, nw 6.4 mm, male connections, for plate mounting with hose nozzle

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6.5	POM	without valve	19	35	8.75	25	8.05	8773-1040 N3
9.5	POM	without valve	19	47	11.25	25	10.20	8773-1060 N3
6.5	POM	with valve	19	49	19.25	25	17.75	8773-1140 N3
8	POM	with valve	19	49	20.45	25	19.05	8773-1150 N3
9.5	POM	with valve	19	49	24.90	25	23.00	8773-1160 N3



### Rapid couplings, nw 6.4 mm, male connections, hose nipple with hose screw-joint

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	45	17.15	25	15.60	8772-1140 N3
6 x 8	POM	with valve	43	19.35	25	17.85	8772-1380 N3
8 x 10	POM	with valve	43	25.40	25	23.45	8772-1310 N3
6 x 8	POM	without valve	35	15.00	25	13.85	8772-1280 N3



### Rapid couplings, nw 6.4 mm, male connections, for plate mounting with hose screw-joint

Hose inner x outer dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	19	45	18.35	25	17.00	8774-1140 N3
6 x 8	POM	with valve	19	49	24.55	25	22.55	8774-1380 N3



### Rapid couplings, nw 6.4 mm, male connections, angled nipples with hose nozzle

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6.5	POM	without valve	31	11.45	25	10.65	8775-1040 N3
9.5	POM	without valve	31	11.45	25	10.65	8775-1060 N3
9.5	POM	with valve	31	18.35	25	17.00	8775-1160 N3
6.5	PP	with valve	31	21.60	25	19.55	8775-2140 N3

## Threaded fittings



► PP

Hose nozzle with strong outer thread.

### Tube nozzles, fixed, external thread

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
3/8"	12	7.5	0.96	20	0.89	8545-3812	N3
1/2"	13	8	1.23	20	1.11	8545-0012	N3
1/2"	16	10	1.49	20	1.37	8545-1216	N3
1/2"	20	13	1.59	20	1.45	8545-1220	N3
3/4"	12	7.5	1.38	20	1.24	8545-3412	N3
3/4"	16	10	1.40	20	1.27	8545-0034	N3
3/4"	20	13	1.60	20	1.46	8545-3420	N3
1"	25	19	1.72	10	1.59	8545-0100	N3



► Hose nozzle, PP

► Seal, EPDM

Hose nozzle with cap nut, inner thread.

### Tube nozzles, with cap nut

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13	9	2.27	20	2.08	8546-0012	N3
1/2"	16	10	2.60	20	2.33	8546-1216	N3
3/4"	10	6	2.87	20	2.80	8546-3410	N3
3/4"	12	7.5	2.61	20	2.37	8546-3412	N3
3/4"	13	8.5	3.03	20	2.87	8546-3413	N3
3/4"	16	10	2.44	20	2.22	8546-0034	N3
3/4"	20	13	2.83	20	2.56	8546-3420	N3
1"	25	20	2.84	10	2.57	8546-0100	N3



► PP

Hose angle bracket, 90°, with strong outer thread.

### Tube bend, fixed, external thread

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	12	7.5	2.10	20	1.91	8547-0012	N3
1/2"	16	11	2.61	20	2.37	8547-1216	N3
1/2"	20	15	2.84	20	2.56	8547-1220	N3
3/4"	12	7.5	2.15	20	1.97	8547-0034	N3
3/4"	20	15	3.01	20	2.73	8547-3420	N3
3/4"	22	17	2.90	20	2.64	8547-3422	N3
1"	25	19.5	3.05	10	2.76	8547-0100	N3



► Hose angle bracket, PP

► Seal, EPDM

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.

### Tube bend, with cap nut

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	12	7.5	3.35	20	3.03	8548-0012	N3
3/4"	12	7	4.12	20	3.67	8548-3412	N3
3/4"	16	11	3.88	20	3.48	8548-0034	N3
3/4"	20	15.5	4.45	20	3.98	8548-3420	N3
1"	25	19.5	4.67	10	4.27	8548-0100	N3

## Threaded fittings



► PP

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.

### Tube bend, with cap nut, white

Thread	Outlet dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
M29x1,75	9	15	3.67	20	3.32	8548-0020	N3
M36x3	10	20	4.04	20	3.63	8548-0025	N3
M42x3	11	25	5.30	10	4.77	8548-0030	N3



► PP

Container connector with outer thread, complete with EPDM seals, for easy mounting of thread in the sides of containers.

### Container connection, white

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13,5	8.85	20	8.00	8533-0012	N3
3/4"	18	10.35	10	9.25	8533-0034	N3
1"	24	10.85	20	9.85	8533-0100	N3



Hexagonal nut with inner thread.

### Hexagonal nuts

Thread	Material	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	HDPE	2.20	10	2.03	8537-0012	N3
3/4"	HDPE	2.51	10	2.27	8537-0034	N3
1"	HDPE	2.73	10	2.52	8537-0100	N3
2"	PP	4.09	10	3.69	8537-0200	N3



► PE

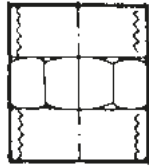
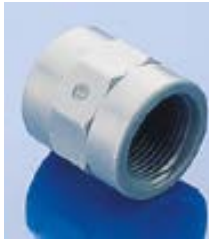
Flat seals made of Polyethylene, transparent fitting outer or inner thread.

### Flat seals, PE

Thread	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	fits outer thread	10	2.62	10	2.36	8538-0012	N3
3/4"	fits outer thread	10	2.71	10	2.64	8538-0034	N3
1"	fits outer thread	10	5.35	10	4.90	8538-0100	N3
2"	fits outer thread	10	13.15	10	11.70	8538-0200	N3
1/2"	fits inner thread	10	2.56	10	2.30	8539-0012	N3
3/4"	fits inner thread	10	2.65	10	2.59	8539-0034	N3
1"	fits inner thread	10	5.25	10	4.85	8539-0100	N3



## Threaded fittings

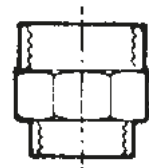


Socket with inner thread.

► PP

### Socket, inner thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	19	2.67	10	2.44	8501-0012	N3
3/4"	23	3.27	10	2.97	8501-0034	N3
1"	28.5	4.27	10	3.88	8501-0100	N3

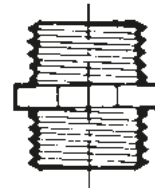
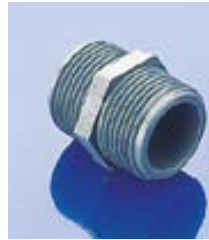


Socket, reduced with inner thread.

► PP

### Socket, reduced

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2" - 3/4"	17.5	4.67	10	4.34	8502-1234	N3
3/4" - 1"	23	5.85	10	5.25	8502-3410	N3

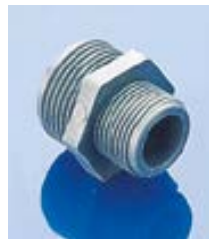


Nipple with outer thread.

► PP

### Nipple, outer thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13.5	2.25	10	2.06	8505-0012	N3
3/4"	18	2.84	10	2.57	8505-0034	N3
1"	23.5	3.88	10	3.48	8505-0100	N3

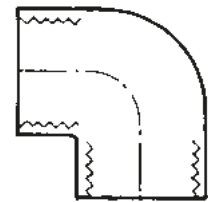


Nipple, reduced, with outer thread.

► PP

### Nipple, reduced

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2" - 3/4"	13.5	4.27	10	3.88	8506-1234	N3
3/4" - 1"	18	5.40	10	4.98	8506-3410	N3

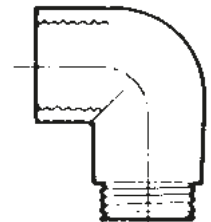


Angle bracket 90° with inner thread.

► PP

### 90° bend, inner thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17.5	2.84	10	2.57	8515-0012	N3
3/4"	23	3.98	10	3.67	8515-0034	N3
1"	28.5	4.67	10	4.27	8515-0100	N3



Angle bracket 90° with inner / outer thread.

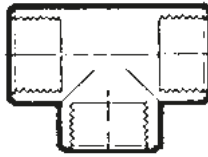
► PP

### 90° bend, inner/outer thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	14	3.27	10	2.97	8516-0012	N3
3/4"	19	4.67	10	4.27	8516-0034	N3
1"	24.5	5.40	10	4.92	8516-0100	N3



## Threaded fittings

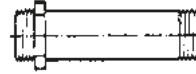


T piece with inner thread.

► PP

### T-piece

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17.5	3.67	10	3.27	8525-0012	N3
3/4"	23	4.99	10	4.55	8525-0034	N3
1"	28.5	6.15	10	5.55	8525-0100	N3

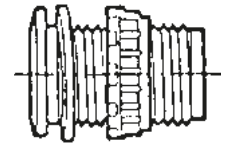


Tube extension with outer thread. 8520-0012, -0034 length 152 mm, 8520-0100 length 162 mm.

► PP

### Tube extensions

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	12.5	3.40	10	3.07	8520-0012	N3
3/4"	18	4.45	10	4.12	8520-0034	N3
1"	23.5	5.90	20	5.40	8520-0100	N3

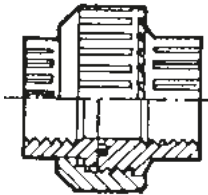


Container connector with outer thread, complete with EPDM seals, for easy mounting of thread in the sides of containers.

► PP

### Container connection

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13.5	8.00	10	7.25	8530-0012	N3
3/4"	18	9.05	10	8.45	8530-0034	N3
1"	24	10.50	10	9.55	8530-0100	N3

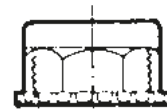


Screw joint with inner thread, enables easy disconnection of tube connections.

► PP

### Screw joint

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17.5	11.60	10	10.75	8510-0012	N3
3/4"	21.5	13.05	10	11.70	8510-0034	N3
1"	26.5	13.55	10	12.50	8510-0100	N3

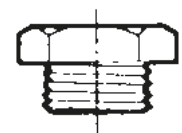
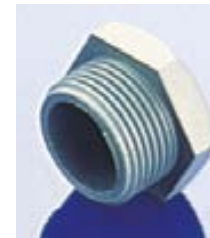


Closing cap with inner thread.

► PP

### Cap

Thread	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	3.08	10	2.80	8535-0012	N3
3/4"	3.88	10	3.48	8535-0034	N3
1"	4.27	10	3.88	8535-0100	N3



Threaded cap outer thread.

► PP

### Stopper

Thread	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	2.25	10	2.06	8536-0012	N3
3/4"	2.84	10	2.57	8536-0034	N3
1"	3.55	10	3.13	8536-0100	N3



## VacuMan vacuum pump

Hand pump can be operated with one hand to create a vacuum or pressure, independent of a power supply (e.g. vacuum filtration, taking samples, dissipation of desiccators). Maintenance-free, self-lubricating, mainly corrosion resistant. Connection for hoses with 6.4 mm inner Ø. Available in PVC or aluminium for heavy duty.



- ▶ With or without gauge
- ▶ Sampling set with suction hose and sample container and adapter set for hoses from 5 to 14 mm available as accessory

## VacuMan vacuum or pressure pump



- ▶ With gauge
- ▶ Adapter set for hoses from 5 to 14 mm available as accessory

### VacuMan vacuum pump

Pressure gauge	Stroke approx. ml	Material	Vacuum mbar	Price €	Item no.	
no	32	PVC	- 850	100.90	5620-0360	N3
yes	16	PVC	- 850	102.40	5620-1180	N3
yes	32	PVC	- 850	121.05	5620-1360	N3

### Accessories

Description	Price €	Item no.	
Adapter set for hoses from 5 to 14 mm	11.25	5620-0010	N3
Sampling set with suction hose and sample container	26.60	5620-0020	N3

### VacuMan vacuum or pressure pump

Pressure gauge	Material	Stroke approx. ml	Vacuum mbar	Pressure max. bar	Price €	Item no.	
yes	PVC	16	- 850	+ 2	168.15	5620-2180	N3
yes	aluminium	16	- 850	+ 2	285.10	5620-2181	N3

### Accessories

Description	Price €	Item no.	
Adapter set for hoses from 5 to 14 mm	11.25	5620-0010	N3
Sampling set with suction hose and sample container	26.60	5620-0020	N3

## Water-jet pump



- ▶ PP, PTFE, FKM
- ▶ Continuous use temperature max. 80 °C
- ▶ Incl. reducing piece to 1/2"

The water jet pump is used for withdrawing liquids and gases, and for creating a vacuum. Simple operation and easy cleaning. Very low water consumption, constant pressure and high suction.

Suction tube connection: Olive 6 – 9 mm outer Ø, screw cap GL 14. Water consumption at 3.5 bar flow pressure and 12 °C water temperature: approx. 190 l/hour at 3.5 bar (absolute). 6 l of water are needed to evacuate a 1 l pressure vessel from normal pressure to final pressure.

Suction capacity at 3.5 bar flow pressure and 12 °C water temperature: 400 l/h evacuation time for a 1 l pressure vessel from normal pressure to 100 mbar: 60 sec. (± 10 sec.).

Final pressure at 3.5 bar flow pressure and 12 °C water temperature: < 16 mbar.

The vacuum connection can be unscrewed and supplied adapters provide a variety of connection options to the water supply.

### Water-jet pump

Price €	Quantity scale from	Scale price €	Item no.
50.30	10	48.95	9668-0200 N3

### Accessories

Description	Price €	Item no.
Reducing adapter 3/8"	6.45	9668-0010 N3
Reducing adapter M 22 x 1 (perlator thread)	6.35	9668-0011 N3

## AirJet Mini vacuum pump/compressor



The AirJet Mini single-head membrane vacuum pump is suitable for a variety of applications in the laboratory and industry. The dry running membrane vacuum pump is able to pump, compact and evacuate 100 % oil-free, which means it does not distort results or add impurities, and can also be used as a compressor.

The AirJet Mini is used to pump and evacuate air and neutral or slightly aggressive or corrosive gases and vapours.

- ▶ Weight 1.9 kg, dimensions LxWxH 164/90/141 mm
- ▶ Hose connection ID 4 mm
- ▶ Maintenance-free, environmentally friendly
- ▶ High level of gas tightness
- ▶ Very quiet with low vibrations

**!** Attention! Make sure to pay attention to the "List of Chemical Resistance"!



### ① AirJet Mini membrane vacuum pump/compressor



Model	Pump capacity approx. l/min	Vacuum mbar	Pressure max. bar	Price €	Item no.
Membrane made of EPDM	6	100	2.4	424.60	5625-2000 N2
Membrane made of PTFE	5.5	160	2.5	512.90	5625-2001 N2

### Accessories

Description	Price €	Item no.
② AirJet Mini fine regulation head	92.60	5625-2002 N2
③ AirJet Mini sound absorber	15.70	5625-2003 N2

## Desiccator



Desiccators made of plastic, break resistant, lightweight and suitable for vacuums. Stopcock suitable for vacuums up to 980 mbar. Base and desiccator plate made out of Polypropylene. Lid is crystal clear Polycarbonate with a non-return valve and a venting valve. O-ring seal made of Polychlorobutadiene-rubber. Continuous temperature max. +60 °C.

- ▶ Hose connection fits hoses with inner Ø 8.5 mm
- ▶ Delivery incl. O-ring
- ▶ Perforated plate and additional O-rings available as accessories

### Desiccator

Inner dia. mm	Outer dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
150	175	190	74.15	5	57.50	9791-0150	N3
200	235	230	122.45	5	110.25	9791-0200	N3
250	285	300	146.60	5	134.55	9791-0250	N3

### Accessories

Description	Price €	Item no.	
Perforated plates for desiccator for i.d. 150 mm	8.20	9791-0151	N3
Perforated plates for desiccator for i.d. 200 mm	11.30	9791-0201	N3
Perforated plates for desiccator for i.d. 250 mm	12.55	9791-0251	N3
O-ring for desiccator for i.d. 150 mm	3.77	9791-0152	N3
O-ring for desiccator for i.d. 200 mm	5.10	9791-0202	N3
O-ring for desiccator for i.d. 250 mm	7.45	9791-0252	N3

## Mercury collector



Bürkle's mercury collector enables the easy collection of spilt mercury, which can then be used again. The mercury collector is composed of a tub with a screw cap lid that has a special plastic foam inserted. On pressing this foam gently on the spilt mercury, the foam's pores are opened and the mercury globules are absorbed. The cap is then screwed on the tub, the globules are released again and fall through the perforated separation into the tub.

### LaboPlast

### Mercury collector

Price €	Quantity scale from	Scale price €	Item no.
24.40	10	22.00	9789-0001 N4

### Accessories

Description	Price €	Item no.	
Spare plastic foam insert for mercury collector	4.10	9789-0002	N4

# Eyes Fresh mini eyewash station



Mini eyewash station ideal for the lab, filling stations or all work places where aggressive substances are used. Eyes Fresh can be attached to any standard cold water tap. For normal use of the tap, just press the button and the function changes back from the eye wash (returns automatically to eyewash-function when the tap is closed). Can be fitted onto taps with M22x1, 1/2" or 3/8" outer thread. With sufficient water pressure provided, performance according to DIN EN 15154-2.

Eyes Fresh mini eyewash station					DIN
Model	Price €	Quantity scale from	Scale price €	Item no.	
Press button for normal use	149.25	5	137.30	2515-0100	N4

# Eye rinsing bottle



Empty bottle for 600 ml contents, leakproof due to valve and dust protection cap. Instructions printed on, made of transparent PE.

Eye rinsing bottle					CE	DIN
Price €	Quantity scale from	Scale price €	Item no.			
32.75	10	29.70	2507-2000	N3		
Wall fixture						
Price €	Quantity scale from	Scale price €	Item no.			
17.05	10	16.35	2507-2001	N3		

## HotGrip



Hand protection made of silicone rubber highly resistant to cold and heat. Protects fingers and hands from burns and freezing when working with apparatus which has extreme temperatures. HotGrip is resistant to temperatures from -50 °C to +200 °C (briefly up to +250 °C). Deep frozen, hot or even boiling substances and apparatus can be safely handled and positioned. Silicone rubber is extremely elastic and slip-proof, so that even smooth surfaced apparatus such as hot glass flasks can be securely gripped.


HotGrip						
Model	Colour	Price €	Quantity scale from	Scale price €	Item no.	
for the whole hand	red	27.45	10	25.90	9768-0001	N3
for thumb and one finger	white	33.65	10	32.00	9768-0002	N3
for thumb and 2 to 3 fingers	white	43.35	10	41.20	9768-0003	N3

## Rubiflex protective gloves



With short or long gauntlet. Safe working with fats, mineral oils, solvents and many acids and alkalis.

- ▶ Made from nitrile rubber
- ▶ Very flexible, soft to the touch
- ▶ High abrasion and cut resistance
- ▶ Comfortable cotton interlock interior
- ▶ To standard EN 374

 Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Rubiflex protective gloves						
Model	Length cm	Price €	Quantity scale from	Scale price €	Item no.	
standard	37	26.10	10	23.85	2507-0002	N3
long wrist	60	49.80	10	45.35	2507-0003	N3



## Standard bungs silicone



The bungs are transparent, chemically-biologically neutral, food-safe according to BfR Recommendation XV and FDA § 177.2600.

- Temperature resistant from -60 °C to +200 °C, briefly to +230 °C
- Sterilisable
- Non-toxic

### Standard bungs silicone rubber



Dia. bot- tom mm	Dia. top mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
5	9	20	0.39	100	0.33	9764-0610	N3
8	12	20	0.47	100	0.45	9764-0913	N3
10.5	14.5	20	0.54	100	0.50	9764-1115	N3
14	18	20	0.77	100	0.73	9764-1418	N3
17	22	25	1.27	100	1.23	9764-1621	N3
18	24	30	1.68	100	1.64	9764-1924	N3
21	27	30	2.18	100	2.03	9764-2227	N3
26	32	30	3.54	100	3.23	9764-2531	N3
29	35	30	4.57	100	4.17	9764-2834	N3

## Standard bungs



Laboratory standard bung made of PVC with good chemical resistance against acids and alkalis.

- PVC, soft, red



⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

### Standard bungs



Dia. bot- tom mm	Dia. top mm	Height mm	Price €	Quan- tity scale from	Scale price €	Item no.	
7	10	18	0.46	100	0.41	9763-0610	N3
9	13	20	0.53	100	0.47	9763-0913	N3
11	15	20	0.66	100	0.60	9763-1115	N3
14	18	20	2.09	100	1.92	9763-1418	N3
16	21	24	2.49	100	2.32	9763-1621	N3
19	24	25	2.55	100	2.40	9763-1924	N3
22	27	24	2.87	100	2.71	9763-2227	N3
25	31	29	3.02	100	2.87	9763-2531	N3
28	34	30	3.10	100	2.96	9763-2834	N3
31	38	33	3.28	100	3.10	9763-3138	N3
34	41	35	2.99	100	2.70	9763-3441	N3
42	49	34	4.03	100	3.53	9763-4249	N3
46	53	39	4.88	100	4.49	9763-4654	N3

## Bungs PE



Stopper made of PE, hollow with sealing rings and octagonal top.

- PE

### Bungs PE



GGJ	Dia. bot- tom mm	Dia. top mm	Price €	Quan- tity scale from	Scale price €	Item no.	
7/16	5.9	7.5	0.35	100	0.34	9760-0716	N3
10/19	8.2	10	0.47	100	0.45	9760-1019	N3
12/21	10.4	12.5	0.55	100	0.52	9760-1221	N3
14/23	12.1	14.5	0.58	100	0.55	9760-1423	N3
19/26	16.4	19	0.69	100	0.60	9760-1926	N3
24/29	21.1	24	0.81	100	0.72	9760-2429	N3
29/32	25.8	29	1.03	100	0.95	9760-2932	N3
34/35	31	34.5	1.95	100	1.73	9760-3435	N3
45/40	41	45	2.34	100	2.15	9760-4045	N3

## Disposable laboratory equipment

- ▶ Scoops, from page 126
- ▶ Spatulas, from page 128
- ▶ Spoons, from page 129
- ▶ Dosing spoons, from page 130
- ▶ Forceps, from page 131
- ▶ Scrapers, from page 131
- ▶ Micro-spatulas, page 142
- ▶ Spoon spatulas, page 143

## Stainless Steel laboratory instruments

- ▶ Spatulas, from page 92
- ▶ Palette knife spatula, page 92
- ▶ Forceps, page 141
- ▶ Micro-spatulas, page 142
- ▶ Spoon spatulas, page 143
- ▶ Sample-spoon, page 144
- ▶ Dosing spoons, from page 145
- ▶ Scoops, from page 146



## Magnetic stirring bars





Cylindrical stirring bars with smooth surface, many uses.

- ▶ PTFE opaque
- ▶ Max. use temperature +270 °C
- ▶ High performance permanent magnets and long lifespan



Magnetic stirring bar set consists of 10 of the most standard bars, complete with crystal clear box.

- ▶ 1 of each 15 x 6 mm, 30 x 7 mm
- ▶ 2 of each 20 x 7 mm, 25 x 7 mm, 40 x 7 mm, 50 x 7 mm

### Magnetic stirring bars

Length mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	 
15	6	2.13	10	1.80	8271-1506	N3
20	6	2.13	10	1.70	8271-2006	N3
20	7	2.82	10	2.59	8271-2007	N3
25	6	2.43	10	1.95	8271-2506	N3
25	7	3.01	10	2.74	8271-2507	N3
30	6	2.49	10	1.98	8271-3006	N3
30	7	3.41	10	3.09	8271-3007	N3
40	7	4.37	10	3.97	8271-4007	N3
40	8	2.92	10	2.33	8271-4008	N3
50	7	5.10	10	4.71	8271-5007	N3
50	8	3.76	10	2.92	8271-5008	N3
80	10	8.85	10	8.10	8271-8010	N3

### Magnetic stirring bar set

Model	Price €	Quantity scale from	Scale price €	Item no.	 
set incl. ten bars	40.10	5	37.10	8271-1000	N3

## Stirring paddle




Stirring paddle made of polypropylene for gentle stirring in plastic and glass containers.

- ▶ PP
- ▶ Shatterproof
- ▶ Warp resistant
- ▶ Total length 1,17 m or 1,71 m



### Stirring paddle

Length mm	Width mm	Total length cm	Price €	Item no.	
155	130	117	43.45	8203-2100	N3
190	167	171	52.10	8203-3150	N3

# Chemical resistance

Chemicals						Plastics																							
	Formula	CAS-No.	Concentration	Hazard note	Inflammable	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HARD	PVC SOFT	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	NBR	SI	AL	AlSi 304	AlSi 316 L
Acetone	C <sub>3</sub> H <sub>6</sub> O	000067-64-1		F, Xi	X	1/1	3/3	1/0	4/4	4/4	2/3	1/3	1/3	4/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	3/4	1/0	4/4	4/4	0/0	1/1	1/1	1/1
Calcium chloride	CaCl <sub>2</sub>	010043-52-4		Xi		1/1	1/1	1/0	1/0	1/0	1/1	(3)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/4	1/2L	1/2L
Chlorine	Cl <sub>2</sub>	007782-50-5	10 % wet	T		3/4	3/4	4/4	2/3	4/4	2/4	4/4	4/4	4/4	4/4	1/2	0/0	4/4	1/1	1/1	(2)	2/0	3/0	4/4	0/0	4/4	4/4	4/4	
Chloroform	CHCl <sub>3</sub>	000067-66-3	100 %	Xn		3/4	4/4	3/4	4/4	4/4	4/4	4/4	3/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	1/1	4/4	3/4	4/4	0/0	(3)	1/1	1/1
Developer for fotos	—	—		?		1/3	1/1	4/4	(2)	1/0	0/0	1/3	1/2	0/0	1/0	1/3	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	1/0	0/0	1/1	1/0	1/0
Ethyl alcohol	C <sub>2</sub> H <sub>6</sub> O	000064-17-5	96 %	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/2	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/0	3/0	3/0	3/3	0/0	1/1	1/1	1/1
Formaldehyde solution	CH <sub>2</sub> O	000050-00-0	40 %	T		1/2	2/3	1/3	1/2	1/0	1/2	1/2	1/2	4/4	2/3	2/3	3/3	0/4	1/1	1/1	1/1	1/1	1/0	3/0	(3)	0/0	1/1	1/1	1/1
Formic acid	CH <sub>2</sub> O <sub>2</sub>	000064-18-6	98-100 %	C		1/1	1/2	4/4	3/4	0/0	1/3	4/4	1/3	3/4	3/3	3/4	1/3	3/4	1/1	(1)	1/1	1/1	3/4	4/4	4/4	0/0	1/0	1/3	1/2
Fuel oil	—	—		Xn		3/3	3/4	1/0	3/3	1/0	2/3	1/1	1/3	3/4	1/2	1/1	3/3	1/1	1/1	1/1	1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	1/1
Gasoline	C <sub>3</sub> H <sub>12</sub> -C <sub>12</sub> H <sub>26</sub>	086290-81-5		F, Xn, N	X	2/3	3/4	1/0	3/3	(2)	2/3	1/2	3/4	4/4	3/3	2/4	0/0	0/4	1/1	1/1	1/1	1/1	4/4	(1-3)	3/0	0/0	1/1	1/1	1/1
Hydrogen chloride	HCl	007647-01-0	35 %	C		1/1	1/1	4/4	4/4	(4)	1/2	4/4	1/2	3/3	1/1	2/3	3/3	1/3	1/1	1/1	1/1	1/1	3/0	1/2	4/4	0/0	4/4	4/4	4/4
Hydrogen fluoride	HF	007664-39-3	70 %	T+, C		0/0	1/3	4/4	4/4	4/4	0/0	4/4	1/3	4/4	4/4	1/4	3/0	0/0	0/0	(1)	1/1	1/1	3/4	(3)	4/4	0/0	4/4	4/4	4/4
Isopropyl alcohol	C <sub>3</sub> H <sub>8</sub> O	000067-63-0	techn. pure	F	X	1/1	1/1	1/0	1/2	1/0	1/2	1/0	1/1	2/2	1/2	1/2	4/4	1/4	1/1	1/1	1/1	1/1	1/0	1/1	3/3	0/0	(2)	(1)	(1)
Methyl ethyl ketone (MEK)	C <sub>5</sub> H <sub>10</sub> O	000078-93-3		F	X	1/3	3/4	1/0	4/4	4/4	1/2	1/3	4/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	3/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)
Nitric acid	HNO <sub>3</sub>	007697-37-2	50 %	C+		2/4	3/4	4/4	4/4	(2)	2/4	4/4	3/4	4/4	2/3	2/3	0/0	0/3	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2
Nitrohydrochloric acid	HNO <sub>3</sub> + HCl	080007-56-5		C		4/4	4/4	4/4	4/4	3/3	4/4	4/4	4/4	4/4	4/4	4/4	4/4	3/4	1/1	(2)	1/1	3/0	4/4	4/4	4/4	0/0	4/4	4/4	4/4
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	007664-38-2	85 %	C		1/1	1/1	4/4	1/2	0/0	1/2	4/4	1/2	1/2	1/1	1/2	1/1	1/2	1/1	1/1	1/1	1/1	3/0	1/1	4/4	0/0	4/4	2/4	1/3
Sodium hydroxide	NaOH	001310-73-2	50 %	C+		1/1	1/1	1/0	4/4	4/4	1/1	1/3	1/1	2/2	1/1	1/2	0/0	0/3	1/1	1/1	1/1	3/3	1/0	3/4	3/3	0/0	4/4	1/3	1/3
Spirits of Turpentine	—	008006-64-2		Xn	X	2/2	3/4	1/0	4/4	1/0	3/3	1/1	4/4	4/4	4/4	2/3	4/4	3/3	1/1	1/1	1/0	1/3	4/4	1/1	3/3	0/0	1/1	1/1	1/1
Sulfuric acid	H <sub>2</sub> SO <sub>4</sub>	007664-93-9	95 %	C+		3/4	3/4	4/4	4/4	4/4	2/2	4/4	3/4	4/4	4/4	2/4	0/0	4/4	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	4/4	1/3	1/3
Tetrachloroethylene	C <sub>2</sub> Cl <sub>4</sub>	000127-18-4		Xn		4/4	4/4	4/4	4/4	3/4	4/4	1/3	4/4	4/4	4/4	4/4	4/4	3/3	1/1	1/1	1/1	1/1	4/4	2/3	4/4	0/0	(3)	0/0	0/0
Trichloroethylene (TRI)	C <sub>2</sub> HCl <sub>3</sub>	000079-01-6	100 %	Xn		3/4	4/4	3/0	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/4	1/2	1/1	1/0	1/1	4/4	1/3	4/4	0/0	1/3	1/1L	1/1L
Vinegar	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7		(Xi)		1/1	1/3	4/4	1/2	1/1	1/0	1/3	1/1	1/0	1/0	1/0	3/0	1/1	1/1	1/1	1/1	1/1	1/0	3/3	3/3	0/0	1/3	1/2	1/2
Xylene	C <sub>8</sub> H <sub>10</sub>	001330-20-7		(F), Xn	X	3/4	3/4	1/0	4/4	0/0	3/4	1/2	4/4	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/0	1/3	4/4	1/3	4/4	0/0	1/1	1/1	1/1

Two values are given per substance, left number = value at + 20 °C, right number = value at + 50 °C.

**1 = resistant, 2 = practically resistant, 3 = partially resistant, 4 = not resistant, 0 = no data available.**

**K = no general information available; L = danger of pitting or stress-cracking corrosion, values in parentheses are estimated values.**

**Hazard notes:** C = caustic; F = inflammable; F+ = highly inflammable; O = fire-promoting; T = poisonous; T+ = very poisonous; Xn = slightly poisonous; Xi = irritant

## Important note

The tables headed "Chemical resistance of plastics" and "Properties of plastics materials" have been compiled from information from various producers of raw materials. The figures relate exclusively to laboratory tests on raw materials.

Plastics items made from these materials are often subject to influences which cannot be detected in a laboratory test (temperature, pressure, stresses in the material, chemical substances, design features, etc.). For these reasons the figures quoted can serve only as a guideline. In case of doubt we strongly recommend that a test be carried out. No legal claims can be derived from these figures and we disclaim all liability. The chemical and mechanical resistance of a product does not suffice for the assessment of its suitability for use, for example legislation on flammable liquids (explosion protection) is to be taken into particular consideration.

## Detailed table can be downloaded free of charge



- More than 1600 media
- With viscosity table
- CAS numbers
- Simple operation
- Free of charge
- Download address:  
[www.buerkle.de/en/chemical-resistance](http://www.buerkle.de/en/chemical-resistance)

# Plastics technology | overview of chemical resistance

<b>EPDM</b>	Ethylene propylene diene monomer	<b>PA</b>	Polyamide	<b>PSU</b>	Polysulfone
<b>FEP</b>	Fluorinated ethylene-propylene (Teflon, FEP)	<b>PC</b>	Polycarbonate	<b>PTFE</b>	Polytetrafluoroethylene
<b>PETG</b>	Polyethyleneterephthalate	<b>PFA</b>	Perfluoro-alkoxy (Teflon, PFA)	<b>PVC</b>	Polyvinylchlorid
<b>FPM/FKM</b>	Fluoroelastomer (Viton)	<b>PMP</b>	Polymethylpentene (TPX)	<b>PVDF</b>	Polyvinylidenefluoride
<b>HDPE</b>	High-density polyethylene	<b>PP</b>	Polypropylene	<b>SAN</b>	Styrene-acrylnitrile
<b>LDPE</b>	Low-density polyethylene	<b>PS</b>	Polystyrene	<b>SI</b>	Silicone rubber

Plastics abbreviations	Temperature		steam <sup>4)</sup> 121°C	Sterilization <sup>5)</sup>			chemical formalin, ethanol	Transparency	Flexibility	Specific weight g/cm³	Water absorption %
	max. <sup>1)</sup> °C	min <sup>2)</sup> °C		gas ethyleneoxide	radiation 2.5 kGy						
EPDM	+ 120°	- 30°	yes	no	yes	yes	yes	transparent	excellent	0.88	0.01
FEP	+ 205°	- 255°	yes	yes	no	yes	yes	transparent	very good	2.15	< 0.01
FPM	+ 200°	- 20°						black	good	1.90	
HDPE	+ 110°	- 50°	no	yes	yes	yes	yes	transparent	stiff	0.95	0.01
LDPE	+ 95°	- 50°	no	yes	yes	yes	yes	transparent	excellent	0.92	0.01
PA	+ 90°	- 0°	no	yes	yes	yes	yes	transparent	stiff	1.13	1.30
PC	+ 135°	- 135°	yes	yes	yes	yes	yes	clear	rigid	1.20	0.35
PFA	+ 250°	- 270°	yes	yes	no	yes	yes	transparent	excellent	2.15	0.03
PMP	+ 175°	- 150°	yes	yes	yes	yes	yes	glass-clear	stiff	0.83	0.01
PP	+ 135°	0°	yes	yes	no	yes	yes	transparent	stiff	0.90	0.02
PS	+ 70°	- 20°	no	no	yes	yes	yes	glass-clear	stiff	1.05	0.05
PSU	+ 165°	- 100°	yes	yes		yes	yes	clear	stiff	1.24	0.30
PTFE	+ 270°	- 270°	yes	yes	no	yes	yes	white	excellent	2.25	< 0.01
PVC	+ 70°	- 30°	no <sup>3)</sup>	yes	no	yes	yes	clear	stiff	1.35	0.06
PVDF	+ 160°	- 40°	yes	yes	yes	yes	yes	transparent	stiff	1.78	0.04
SAN	+ 95°	- 40°	no	yes	no	yes	yes	glass-clear	stiff	1.03	0.05
SI	+ 180°	- 60°	yes	yes	no	yes	yes	transparent	excellent	1.10	
PETG	+ 70°	+ 5°	no	?	?	yes	yes	glass-clear	stiff	1.78	0.70

<sup>1)</sup> Even higher for short periods

<sup>2)</sup> Brittle temperature

<sup>3)</sup> Except PVC hoses, which can be sterilised with steam at a temperature of 121 °C

<sup>4)</sup> Frequent steam sterilization reduces mechanical stability!

<sup>5)</sup> Clean apparatus with distilled water first (to avoid stress cracking corrosion). In the case of closed vessels, remove or slightly open lid, do not close lid tight again until the vessel has cooled down.

Substance class at 20 °C	ABS	ECTFE	HDPE	LDPE	PA	PC	PMP	PP	PS	PTFE/FEP/PFA	PVC	SAN	SI
Aldehydes	-	+	+	+	0	0	0	+	-	+	-	-	0
Alcohols aliphatic	+	+	+	+	0	+	+	+	+	+	+	+	+
Esters	-	+	0	0	+	-	0	0	-	+	-	-	0
Ethers	-	+	0	-	+	-	-	-	-	+	-	-	-
Ketones	-	0	0	0	+	-	0	0	-	+	-	-	
Carbohydrates													
aliphatic	-	+	+	0	+	0	0	+	-	+	+	-	-
aromatic	-	+	+	0	+	-	-	0	-	+	-	-	-
halogenated	-	+	0	-	0	-	-	0	-	+	-	-	-
Acids, weak/dilute	0	+	+	+	0	0	+	+	0	+	+	0	0
Acids, strong/concentrated	-	+	+	+	-	-	+	+	0	+	+	-	-
Acids, oxidising	-	0	0	0	-	-	0	0	-	+	-	-	-
Bases	0	+	+	+	0	-	+	+		+	+	+	+

**+ = excellent chemical resistance**

The substance does not result in any damage to the plastic after 30 days of permanent contact. The plastic may remain resistant for years.

**0 = good/limited chemical resistance**

Within 7 to 30 days of permanent contact, the substance provokes minor damage which may be reversible (softening, swelling, reduction of mechanical strength, discolourations).

**- = low chemical resistance**

Not suitable for permanent contact with this substance. Damage to the plastic may occur immediately (reduction of mechanical strength, deformation, discolourations, splits, dissolution, risk of breakage).

# Suitable thread adapters | for many container threads

Plastic barrels and containers can have a wide range of thread types. Some are standardized according to DIN, BSI or US standards. Other threads are manufacturer-specific. We can supply suitable adapters for most containers so that discharge valves, pumps and other accessories can be safely attached. Various steps are necessary in order to select the correct adapter. Proceed as follows:

## 1. First use the thread table to select the container thread.

If possible use calipers for the measurement, although most threads can be measured accurately enough with a ruler.

If your container has an outer thread you will require an adapter with an inner thread. Containers with an inner thread require adapters with an outer thread.

## 2. In the Adapter overview on page 29 you will find the suitable adapter.

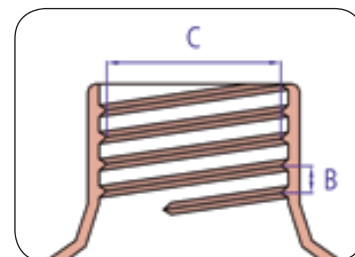
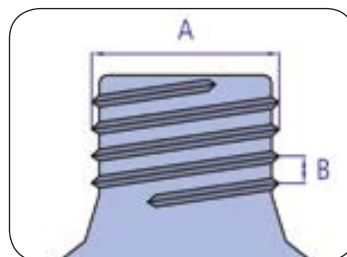
All thread descriptions refer directly to the adapter. This means that if your container has a  $\frac{3}{4}$ " outer thread you will require an adapter with a  $\frac{3}{4}$ " inner thread. If you cannot find the necessary adapter here, or if you cannot determine the thread size, just send us a screw cap and we will send you a suitable adapter.



### Example

Your container thread is an outer thread with a diameter of 71 mm. You want to use a PP barrel pump with a barrel screw joint. Use the thread table to determine the type of thread. As it is a 71 mm thread you will require an adapter with a 71 mm inner thread. The barrel screw joint thread is 2" BSP outer. This means that you need an adapter from 71 mm inner to 2" BSP inner. In the Adapter table on page 29 you will then find the corresponding article number 0600-1003.

12	35 mm - 2" BSP
13	40 mm - 2" BSP
14	51 mm - 2" BSP
15	DIN 61 - 2" BSP
16	63 mm - 2" BSP
17	DIN 71 - 2" BSP



### Threads overview

A mm	B mm	C mm	Thread description	Thread type
53	5	50,5	51 mm, DIN 51*)	sawtooth
59-60	6	55,8	60 mm, DIN 60	sawtooth
61	6	55,8	61 mm, DIN 61	sawtooth
71	6	66,5	71 mm, DIN 71	sawtooth
59	2,2	57,5	2" BSP/R2" steel drum fine thread	sawtooth
64,5	5	60	63 mm, 64 mm BSI	sawtooth
33,5	3	32,7	35 mm	round/std.
69,5	5,5	65	2" coarse thread Mauser L-Ring	sawtooth
56	3,5	52,5	Tri-Sure/2" coarse thread v. Leer/Tri-sure	sawtooth
63,2	4,25	57,5	US drum thread	sawtooth

\*) old and alternative thread names are printed **semibold**



# Packaging containers with UN approval

## What is a container with UN approval?

The person who fills a package with hazardous materials is responsible for its safety on dispatch. In a UN approved container you can transport hazardous goods safely without having to repack them and thus save costs.

## What is "UN-approved"?

The UN has drawn up a list of more than 6000 hazardous substances classified according to the risk that they represent; this determines their packaging group. Packaging group I (X) corresponds to a high degree of risk represented by the contents, e.g. very corrosive substances; packaging group II (Y) a medium degree of risk and packaging group III (Z) less hazardous substances.

The UN approval describes the type of packaging to be used for the transport of hazardous substances. The certificate is issued by recognized material testing institutes. In mass production the manufacturer must guarantee that the product meets the specifications for the type of packaging and that the packaging is manufactured and tested according to a quality assurance program recognized and monitored by the registration office.

## Test criteria (limits must not be infringed)

- ▶ chemical compatibility
- ▶ temperature
- ▶ flash point < 61 °C
- ▶ drop height
- ▶ pressure (i.e. vapor pressure of the contents plus partial pressure of any gases that may be present)
- ▶ packaging groups I, II, III (density kg/l)
- ▶ shelf life from filling date (if applicable)

## Approval numbers

- ▶ The identification contains the symbol for UN-tested packaging, the code for the container material, packaging group, test pressure in kPa, year of manufacture, country of approval, registration office, approval number and manufacturer.
- ▶ If the approval number contains a letter (e.g. F or S) in the position that would otherwise be occupied by the test pressure in kPa then the packaging is only approved for use with solids, not with liquids.
- ▶ New approval numbers apply for all types of transport, i.e. there is no longer any limitation to road, rail, sea or air transport.



**Transport bottle**  
UN-certified bottle for chemicals  
see page 165



**Wide-neck reagent bottle**  
rectangular/space-saving, sturdy, with UN approval for solids  
see page 167



**Aluminum bottle**  
see page 178



**Aluminium bottle**  
with UN-approval for the transport of dangerous goods  
see page 179



**Jerrycans**  
electrically conductive  
see page 189



**Jerrycans**  
stackable, made of transparent HDPE, space-saving  
see page 190



**Wide-mouth containers**  
extra-wide opening for secure filling  
see page 194



1B1 / X / 250 / 15 / D / BAM 1234 XYZ

Symbol for UN-tested packaging

Code for the container material

Packaging group

Test pressure in kPa

Year of manufacture and country of approval

Registration office, approval number and manufacturer

# Contents | alphabetical order

<b>A</b>		
Accessories for zone samplers	66	
AccuOne/EnergyOne	34	
Adapter set Pump-it®	14	
AISI 304, Scoop	146, 147	
All-layer drill	68	
All-layer sampler	65	
All-layer-scratcher	69	
All-purpose boxes, round	182	
All-purpose trays	204	
Aluminium bottle	157, 178	
Aluminum sampler	106	
Angled connectors	236	
Angular beaker	100	
Anti-static set	27	
Apron, Plastic	53	
AquaSampler	113	
Assistants, Pipette	226	
<b>B</b>		
Ball valve PP	46	
Ball valve PP, food	47	
Ball valves for barrels	46	
Barrel key	52	
Barrel pump made of stainless steel	21	
Barrel pump PP	18	
Barrel pumps, Gas-tight	30	
Barrel pumps, PTFE	17	
Barrel pump, Stainless steel	20	
Barrel screw joints	28	
Battery-powered Hose pump	103	
Barrel valve	50	
Beaker, Angular	100	
Beakers, Graduated	216	
Beakers, Griffin	217	
Beakers, Laboratory	217	
BeefSteaker	150	
Big containers	196	
Bio sample scoop	132	
Bio sample spatula	133	
Bio sample spoons	133	
Bottle carrier	177	
Bottle holder	101	
Bottle pumps	16	
Bottles, aluminium	157, 178, 179	
Bottles, Dropping	176	
Bottles, Narrow-necked	160	
Bottles, Round	161	
Bottles, Spray	172	
Bottles, UN-approved	165, 179	
Bottle, Wash	176	
Bottle, Wide-necked	168	
Bowls sterilisable	209	
Bucket HDPE	210	
Bucket made of PP	209	
Buckets	209, 210	
Buckets, Packaging	200, 211	
Bucket, stainless steel	211	
Bungs PE	263	
Burettes	222	
<b>C</b>		
Cables, Lowering	114	
Canisters	190	
Carrier box, Bottle	177	
Cheese sampler	91	
Chemistry scoop	98	
CheMobil	240	
ChemoSampler	102	
Clamps, Hose	242	
close-it control seal	82, 83	
close-it dispenser	87	
close-it food	84	
close-it tape	85	
Compact jerrycan	186, 187	
Compact jerrycan & Compact stop cock set	44	
Compact jerrycan, electroconductive	188	
Compact jerrycan & StopCock set	44	
Compact lever pump	31	
Compact spigot	43	
Connectors	235	
Containers, rectangular and round shaped	196	
Containers, Stacking	193	
Control seal close-it	83	
Control seal close-it food & pharma	84	
CupSampler, Liquid	102	
Cylinders, Graduated	218	
<b>D</b>		
Depth catch net	101	
Desiccator	260	
Detectable forceps, sterile	141	
Detectable scoops, blue	138	
Detectable scraper, blue	140	
Detectable spatula, blue	139	
Detectable spoon, blue	139	
Detectable volumetric spoon, blue	140	
Diaphragm pumps	40	
Dipping bottle	110	
Dipping bottle Ex	111	
Dipping bottles	110	
Dipping vessel	112	
Dip Sampler, plunging siphon	96	
DispoDipper	137, 185	
DispoLadle	117	
DispoLance	119	
DispoPicker	119	
DispoPipette	116	
Disposable pipettes LDPE	224	
Disposable plunging siphon	97	
Disposable sampler, blue	134	
Disposable samplers	97	
Disposal kegs, wide-mouth containers	194	
DispoTube	117	
Dosing pump Dosi-Pump	16	
Dosing spoon and measuring spoon set	144	
Dosing spoon, white	130	
Dosi-Pump	16	
Draining rack, benchtop	229	
Draining rack, wallmount	228	
Drain safety stand	52	
Drill bits for mole	153	
Drop-Boy	177	
Dropping bottles	176	
Drum pump for acids and alkalis	38	
Drum pump for concentrated acids/alkalis	38	
Drum pump for mineral oils	39	
Drum pump for solvents	39	
Dry ice machine	154, 230	
<b>E</b>		
EasySampler	67	
EasyScoop	146	
Electrically conductive canister		
with UN approval	189	
Electric barrel pump Petro	37	
Electric pumps	34	
Electroconductive, spigot	45	
EnergyOne	35	
Eye protection / safety goggles	56, 57	
Eye rinsing bottle	54, 261	
Eyes Fresh mini eyewash station	55, 261	
Eyewash station	55, 261	
<b>F</b>		
Fittings	240	
Flat seals	52, 255	
Flow indicators	240	
Flow indicators CheMobil PMP	241	
Flow indicators LiquiMobil SAN	241	
Flow meters	40	
FoodScoop	147	
Food scoop, blue	134	
Foot pumps	12	
Forceps, disposable	131	
Forceps, stainless steel	141	
Four-sided bucket	209	
Four-way-connectors	236	
Funnels	212	
Funnel, stainless steel	215	
Funnel stands	213	
<b>G</b>		
Gas-tight barrel pump PP	30	
General pump accessories	52	
GeoSampler	152	
Gloves, Protective	53, 262	
Goggles, Safety	56	
Graduated beakers, stackable	217	
Graduated beakers with handle	216	
Graduated cylinders, tall form	218	
Graduated pipettes	225	
Griffin beakers	217	
Gripping tongs	262	
<b>H</b>		
Heat protection	262	
Hose clamp Squeeze-Fix	244	
Hose clips POM	244	
Hose couplings	238	
Hose cutter	233	
Hose pump, Battery-powered	103	
Hose tubing stop-cock	246	
HotGrip	262	
<b>I</b>		
IBC discharge valves	51	
Ice borer	151	
Ice machine, Dry	154, 230	
Immersion cylinder	111	
Indicators, Flow	240	
Instrument servers	208	
Instrument trays	208	
<b>J</b>		
Jerrycans	190	
Jerrycans, Safety	198	
Jerrycans, Storage	190	

Jerrycans, Wide-necked	191	Mole with handle and bar	153	Pipettes	225	Reels, Manually-operated	114
Jumbo sampler	66	Multi-Bottles with graduation	169	Pipette stand	227	Round bottles with snap closure	161
<b>L</b>		MultiDispo	120	Pipetting-ball, Safety	226	Rubber bung	263
LaboPlast® Bio scoop	132	Multi sampler	65	Piston pump PP	31	Rubiflex protective gloves	53, 262
LaboPlast® scoop, disposable	126	<b>N</b>		Plastic bag	122, 200, 201	<b>S</b>	
LaboPlast® spatula, disposable	128	Narrow-necked bio-bottles PE	163	Plastic scoops and scrapers	148, 149	safe-it	88
LaboPlast® spoon, disposable	129	Narrow-necked square bottle	164	Plunging siphon, Disposable	97	SafetyBox	54
Laboratory beakers/Griffin beakers, PP	217	Narrow-neck reagent bottle	166	Pointed/angled shape	131	Safety cans stainless steel	198
Laboratory bottle PET sterile	165	Nipple	256	Pointed shape	131	Safety funnel stainless steel	214
Laboratory bucket	210	Non-return valves PP	247	PowderDispo	118	Safety jerrycans stainless steel	198
Laboratory pump mains operated	36	Non-return valves with conical inlet/outlet	247	Powder funnels PP/PE	212	Safety pipetting-ball	226
Laboratory pump, rechargeable battery	34	Novartos	75	PowderProof®	70, 71	Safety stand	52
Laboratory trays / spill troughs set	205	<b>O</b>		PP barrel pump - discharge hose/stopcock	19	Safety storage container stainless steel	199
Leakproof wash bottle	175	Oil-free double-diaphragm pump	40	PP barrel pump - discharge tube	19	Safety wash bottle	175
Lever pump	32	Oil pump	31	PP barrel pumps	18, 19	Sample beaker with cover	156, 184
Lever pump aluminium	31	OTAL® battery-pump	11, 13	Pressure sprayer	174	Sample boxes, aseptic	155, 183
Lever pump with galvanised steel piston rod	32	OTAL® disposable pumps	9	ProfiSampler	106, 107	Sampler, All-layer-	65
Lever pump with stainless steel piston rod	32	OTAL® foot pump made of PP	13	Profi Sampler PP	107	Sampler for ground water	113
Liquid CupSampler	102	OTAL® foot pump made of PVDF	13	Protective gear	53, 262	Sampler for silos	73
LiquidDispo	116	OTAL® foot pump made of stainless steel	13	Protective gloves	53, 262	Sampler, Ice	150
Liquid-Sampler	99	OTAL® foot pumps	12, 13	Protective gloves nitrile	53	Sampler Liquid CupSampler	102
LiquiMobil	240	OTAL® foot pump with hose and stopcock	13	PTFE barrel pumps Ultrapure	17	Sampler, Multi	65
LiquiSampler	95	OTAL® hand pump made of PP	11	PTFE Scoop	97	Samplers for acids	102
Location for taking samples	60	OTAL® hand pump made of PVDF	11	PTFE tape	52	Samplers for pharmaceutical products	75
Lowering cables	114	OTAL® hand pump made of stainless steel	11	PTFE tubing	232	Samplers for tanks	104, 109
<b>M</b>		OTAL® hand pump made of stainless steel	11	Pump accessories	28	Sampler, soil	152
Magic Box	239	OTAL® hand pumps	10, 11	Pump-it® container pump	14	Sampler Tubus	79
Magnetic centrifugal pumps	41	OTAL® hand pump with hose and stopcock	11	PumpMaster container pumps	15	SampleSafe seal	89
Magnetic stirring bars	265	OTAL® liquid transfer pumps	8	Pump, Piston	31	Sample spatula white, disposable	128
Manually-operated reels	114	OTAL® mini pump made of PP	11	Pump safety stand	52	Sample-spoon	144
Measuring jugs industrial	220	<b>P</b>		Pumps for petrochemicals	31	Sample spoon white, disposable	129
Measuring scoops	145	Packaging bags with closure	200	Pumps, Vacuum	258	Sample tubes aseptic, with seal	155, 184
Measuring spoons, blue	136	Packaging bottle	160	Pürkhauser	152	Sampling bag SteriBag	122
Meat sampler	150	Packaging bucket	200, 211	PVC bung	263	Sampling bag SteriBag Blue	123
Meat sampler for carcass sampling	150	Peleus ball	226	PVC industrial tubing	231	Sampling bag SteriBag Cleanroom	124
Mercury collector	260	Pendulum beaker PP	100	PVC pressure tubing	231	Sampling bag, sterilised	122, 201
MicroDispo	120	Pendulum beaker stainless steel	100	<b>Q</b>		Sampling lance Milky	79
MicroSampler	76	Petrochemicals, Pumps for	31	QualiRod conical	91	Scoop AISI 304	147
Micro-spatula, disposable	142	PE tubing	232	QualiRod cylindrical	91	Scoop for food	147
Micro spatula stainless steel	142	Pharmaceutical products, Samplers for	75	QualiSampler set	94	Scoop PTFE	97
Milky	79	PharmaPicker	77	QuickPicker	81	Scoops and scrapers for foodstuffs	148
Mini immersion cylinder	112	PharmaScoop	146	<b>R</b>		Scoops and scrapers for industry	149
MiniSampler	104	PharmaSpoon	78	Rack, Draining	228	Scoops, Chemistry	98
MiniSampler PE	105	Photographic trays	206, 207	Racks, Test-tube	229	Scoop, Stainless steel	98
MiniSampler PTFE	105	Pigment lance	90	Rapid couplings	248	Scoops, Tele	100
Mini solvent pump	26	Pipette assistants	226	Reagent bottle	166	Scraper	131
MiniTherm	154	Pipette basket	226	Reducing hose connectors	238	Scraper for foodstuffs, blue	137
Mini ViscoSampler	93	Pipette rinsing system	226			Scraper LaboPlast®, disposable	131
						Scraper SteriPlast®	131

Scratcher	69	SteriBag StandUp	123, 201	Tubing Clamps	242	<b>Z</b>	
Screw cap, Tubes with	156, 180	SteriBag StandUp sample bag	123	Tubings	231	ZoneDispo	121
Sealable wide-necked bottles	89, 157, 170	SteriPlast® Bio sample scoop	132	Tubs, round	195	Zone samplers	64, 65, 66
Sealing tape	52	SteriPlast® Kit – sterile sampling set	125	Tubus	79	Zone sampler Spiralus	67
seal-it	87	SteriPlast® sample scoop	127	Two-way valves	245		
Seals, Flat	52, 255	SteriPlast® sample spatula	128	<b>U</b>			
security seal	87	SteriPlast® sample spoon	129	Ultrapure Barrel pumps	17		
Sedimentation funnel	214	SteriPlast® syringe	125	UN-Bottle	165		
Servers, Instrument	208	StickProof	78	UniSampler “Ex”	108		
Silicone bungs	263	Stirring bars, Magnetic	265	UniSampler with hose	108		
Silicone tubing	233	Stirring paddle	265	UniSampler with suction lance	109		
SiloDrill	72, 73	StopCock PA, electroconductive	45	Universal graduated beakers	221		
Silo sampler SiloPicker	74	Stopcocks	42	Universal storage containers	193		
Single mark pipettes	225	stop-it hose clamps	242	Uno sampler	65		
Single-use tweezers, blue	136	stop-it metal	243	<b>V</b>			
Siphon with stopcock	33	stop-it with Easy-Click closure	243	VacuMan vacuum or pressure pump	258		
SnowPack® dry ice machine	230	Storage and stacking containers	193	VacuMan vacuum pump	258		
Soil sampler GeoSampler	152	Storage bottles, with/without	192	Vacuum samplers	104		
Soil sampler Puerckhauer	152	threaded connector	190	Valve lance	90		
Solvent pump foot operated	22	Storage jerrycans	107	Valves, Ball	46		
Solvent pump hand operated	23	Straight suction tubes for ProfiSampler	101	Valves, Two-way and three way	245		
Spatula	93	Surface catch net	125	Vampire Sampler	103		
Spatula for foodstuffs, blue	135	Syringe, SteriPlast		ViscoDispo	118		
Spectacles, Safety	56	<b>T</b>		ViscoSampler	94		
Spigot “Air”	47	Tall-form bottles	161	Volumetric spoons	145		
Spigot “Brass”	48	Tamper proof labels safe-it	88	<b>W</b>			
Spigot Jumbo, with tap	50	Tape, Sealing	52	Wash bottle	175, 176		
Spill throughs	204	TargetDispo	121	Water-jet pump	259		
Spiralus	67	Target immersion cylinder	113	Wax sampler	91		
Splinter-proof titrating burette	223	T-connectors	235	Wide-mouth containers, HDPE	195		
Spoon, AISI 304	144	TeleScoop	100, 101	Wide-mouth containers with handle	194		
Spoon for foodstuffs, blue	135	Telescopic rod	100	Wide-necked bottle	168		
Spoon, Pharma	78	Temperature control	154	Wide-necked boxes, round	180		
Spoon spatula, disposable	143	Test-tube racks	229	Wide-necked boxes, square shaped	181		
Spoon spatula stainless steel	143	The bung has to fit!	8	Wide-necked jerrycans with/			
Spoons, Volumetric	145	Thread adapters LaboPlast® 3/4”	49	without threaded connector	191		
Spray bottle	172	Thread adapters PP	29	Wide-necked square bottle	169		
Spray bottle Turn’n’Spray	173	Threaded fittings	254, 255, 256, 257	Wide-necked wash bottle	175		
Spray bottle with pump vaporizer	171	Thread fittings	248	Wide-neck reagent bottle	167		
Stacking containers	193	Three-way valves	245	Withdrawal system for solvents	24, 25		
Stainless Steel Barrel Pump	20, 21	Titration burette automatic	222	<b>Y</b>			
Stainless steel barrel pump - discharge tube	21	Transport bottle aluminium UN	179	Y-connectors	235		
Stainless steel beaker	101	Transport case for straight suction tubes	107				
Stainless steel, Safety jerrycans	198	Transport containers	193				
Stainless steel scoop	98	Trays, Instrument	208				
Stainless steel spatula	92	Trays, Laboratory	204				
Stainless steel spigot	48	Trays, Photographic	206				
Standard bungs	263	Tubes with screw cap	156, 180				
Standardised containers	193						
SteriBag	122, 201						

Contents | by item no.

Item no.	Page	Item no.	Page	Item no.	Page	Item no.	Page	Item no.	Page	Item no.	Page
0006- 22, 26, 46, 47, 52, 74, 77, 105, 114, 231, 232, 233		2348- 78, <b>200</b>		5334- 145		5625- 41, 259		8536- 257		8771- 253	
0300- 161, 164		2350- 209		5336- 102		5627- 31		8537- 52, <b>255</b>		8772- 253	
0301- 169		2502- 21, <b>56, 57</b>		5338- 71, 78		5690- 21, 52		8538- 52, <b>255</b>		8773- 253	
0302- 160		2507- <b>53, 54</b> , 261, 262		5339- 150		5700- 36, 38, 40		8539- 52, 255		8774- 253	
0303- 163		2515- 55, 261		5340- 74		5762- 38		8540- 247		8775- 253	
0304- 165		2601- <b>198, 199</b> , 214		5341- 93		5763- 39		8545- <b>46, 254</b>		8780- 249	
0306- 176		3414- 193		5344- 122, 123, 124, 201		5765- 40		8546- <b>254</b>		8781- 249	
0307- 177		3418- 193		5346- 77		5766- 41		8547- <b>46, 254</b>		8782- 249	
0308- 161		3440- 196, 197		5347- 69		5780- 37		8548- <b>47, 254, 255</b>		8783- 249	
0309- 171, 172, 173, 174		3460- 195		5350- 152, 153		5900- 35, 36		8605- 245		8801- 231	
0310- 175, 176		3482- 195		5351- 69		6202- 182		8606- 245		8802- 231	
0314- 161		3490- 197		5353- 98		6205- 105		8607- 245		8803- 233	
0317- 194		3600- 71, 73, 74, 75, 81, 90, 91, 153		5354- 98, 101		6206- 155, 183		8608- 245		8804- 105, 107, <b>232</b>	
0318- 71, 81, 103, <b>168</b>		4201- 204, 205		5355- 101		6207- 155, <b>184</b>		8610- 246		8805- 103, 105, 107, <b>232</b>	
0319- 81, 107, 108, 109, <b>168</b>		4202- 207		5356- 146		6210- 182		8614- 246		8875- 231	
0320- 168		4203- 207		5357- 102		6214- 156, 180		8618- 244		8876- 231	
0322- 89, 157, 170		4206- 207		5358- 75		6250- 182		8619- 243		8878- 103, 105, 107, <b>232</b>	
0327- 157, <b>178</b>		4207- 207		5359- 90		6282- 180		8677- 244		8879- 232	
0329- 179		4230- 208		5360- 67		7102- 216		8678- 244		8881- 233	
0331- 164		4702- 209		5365- 110, 111, 112, 113		7103- 156, 184		8700- 237, 238		9602- 212	
0332- 164		5000- 9, 13		5369- 90		7104- 216		8701- 237		9604- 215	
0338- 169		5005- 9, 11		5370- 147		7109- 221		8703- 238		9606- 212	
0340- 105, <b>166</b>		5201- 14		5371- 147		7110- 217		8704- 238		9614- 145	
0342- 102, <b>167</b>		5202- 15		5378- 125, 126, 127, 128, 129, 130, 131, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144		7118- 213, 214, 227		8705- 235		9622- <b>213, 227</b>	
0355- 181		5301- 73				7122- 217		8706- 235		9630- 213, 227	
0356- 181		5302- <b>71</b> , 103		5379- 132, 133		7204- 220		8707- 236		9635- 229	
0357- 181		5303- 83, 84, 85, 87, 88		5380- 74, 77		7210- 220		8708- 236		9640- 228, 229	
0361- 177		5304- <b>66</b> , 67, 68, 69, 95		5382- 79		7502- 219		8710- 237		9650- 226	
0370- 165		5305- 105, 107		5383- 92		7503- 219		8711- 235		9668- 259	
0401- 192		5307- 76		5384- 154		7506- 218		8712- 235		9695- 222, 223	
0402- 192		5308- 113		5386- 92, 141, 142, 143		7550- 225		8713- 236		9760- 263	
0431- 191		5309- 114		5387- 97		7551- 225		8714- <b>239, 247</b>		9763- <b>263</b>	
0435- 44, 45, <b>187, 188</b>		5310- 68		5388- 150		7553- 225		8715- 239		9764- 263	
0500- 46, 47		5311- 91		5389- 97		7554- 226		8717- 236		9768- 262	
0525- <b>42, 45</b> , 187, 191, 192, 196		5313- 93		5393- 116, 117, 118, 119, 120, 121, 137, 185		7555- 224		8720- 241		9789- 260	
0530- <b>43</b> , 187, 191, 192, 196		5314- 26, 107, <b>108, 109</b>		5399- <b>87, 89</b> , 170, 194		7556- 224		8740- 250		9791- 260	
0533- 47		5315- 96		5600- 17, 19, <b>21, 28</b> , 35, 36		8203- 265		8741- 250		9805- 154, <b>230</b>	
0534- 50, 51		5316- 65		5601- 21, 28		8271- 265		8742- 250			
0535- 48		5317- 65, 66		5602- 21, 22, 23, 25, <b>27</b> , 45, 107		8300- 148, 149		8743- 250			
0536- 50		5318- 67		5603- 22, 23, 25, 26		8501- 256		8744- 250			
0600- 14, <b>29</b> , 46, 49, 187, 191		5319- 66		5605- 33		8502- 256		8750- 251			
1105- 194		5320- 144		5606- 17		8505- 256		8751- 251			
1406- 195		5321- 79		5607- 16		8506- 256		8752- 251			
1427- 190		5322- 81		5610- 30		8510- 257		8753- 251			
1428- 189		5323- 151		5611- 30		8515- 256		8754- 251			
2306- 209, 210		5324- 78, 146		5613- 31, 32		8516- 256		8755- 251			
2307- 210		5325- 125		5618- 19, 21, <b>52</b>		8520- 257		8760- 252			
2308- 210		5326- 99		5620- 258		8525- 257		8761- 252			
2309- 211		5327- 103				8530- 257		8762- 252			
2327- 200, <b>211</b>		5330- 94, <b>95</b>				8533- 47, <b>255</b>		8763- 252			
		5331- 94				8535- 36, <b>257</b>		8770- 253			

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From page 130

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